

Midland Engineering Co., Inc. Safety Management System			Doc No:	GENWAS
			Initial Issue Date	12/14/15
Chapter 17-General Waste Management			Revision Date:	Initial Version
			Revision No.	0
			Next Review Date:	
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PURPOSE

To set forth the process by which Midland Engineering Co., Inc. will handle general waste.

RESPONSIBILITY

Before work begins Midland Engineering Co., Inc. shall to the best of its ability estimate waste that will be generated and appropriate removal practices.

Employees will be instructed on the proper handling and disposal of general waste and trash generated at work sites. If the material waste generated is considered hazardous reference the Hazardous Waste Operations/Emergency Response Program.

REUSE OR RECYCLE

It is encouraged to segregate general waste from materials that can be reused or recycled.

1 Equipment Needed

Labels -Every container must be properly labeled.

Waste Containers -To determine the appropriate container for the waste being collected.

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2 Procedural Descriptions

2.1 Universal Wastes - Batteries may be co-disposed with Facility Universal Wastes by placing the wastes in containers labeled "Used Batteries".

2.2 Used Oil - Each drum must be labeled with the department number and a "Used Oil" label.

2.3 Used fluorescent bulbs-Fluorescent bulb containers must be labeled with "Waste Mercury".

2.4 Used Aerosol Cans -An empty aerosol can means: no more spray is emitted from the can when pressing the spray nozzle; and when the can is shaken, fluid is not perceived to be present. If you are not positive the can is empty, manage the can as a partially full aerosol can, and contact a waste disposal company for pickup.

Empty aerosol cans by be disposed in the general trash.

Empty, partially full, or damaged aerosol cans may not be placed in scrap metal containers.

Full, partially full, or damaged used aerosol cans must be managed as a hazardous waste. Contact a waste disposal company for pickup.

All other regulated wastes shall be handled in accordance with procedures described below.

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2.5 Solid Waste -Do not allow litter or debris to accumulate anywhere at the job site, including storm drain grates, trash racks, and ditch lines. Pick up and remove trash and debris from the job site at least once a week. Management must monitor solid waste storage and disposal procedures at the job site. If practicable, recycle nonhazardous job site waste and excess material. Furnish enough closed-lid dumpsters of sufficient size to contain any solid waste generated by work activities. When the refuse reaches the fill line, dumpsters must be emptied. Dumpsters must be watertight. Do not wash out dumpsters at the job site. Furnish additional containers and pick up dumpsters more frequent during the demolition phase of construction.

Solid waste includes:

1. Brick
2. Mortar
3. Timber
4. Metal scraps
5. Sawdust
6. Pipe
7. Electrical cuttings
8. Non-hazardous equipment parts
9. Styrofoam and other packaging materials
10. Vegetative material and plant containers from highway planting
11. Litter and smoking material, including litter generated randomly by the public
12. Other trash and debris

Furnish and use trash receptacles at the job site yard, field trailers, and locations where workers gather for lunch and breaks.

2.6 Contaminated Soil - Identify contaminated soil from spills or leaks by noticing discoloration, odors, or differences in soil properties. Soil with evidence of contamination must be sampled and tested by a laboratory certified by ELAP. If levels of contamination are found to be hazardous, handle and dispose of the soil as hazardous waste. Prevent the flow of water, including ground water, from mixing with contaminated soil by using one or a combination of the following measures:

1. Berms
2. Cofferdams
3. Grout curtains
4. Freeze walls
5. Concrete seal course

If water mixes with contaminated soil and becomes contaminated, sample and test the water using a laboratory certified by ELAP. If levels of contamination are found to be hazardous, handle and dispose of the water as hazardous waste.

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2.7 Concrete Waste - Use practices that will prevent the discharge of cement concrete, AC, or HMA waste into storm drain systems or watercourses. Collect and dispose of cement concrete, AC, or HMA waste at locations where:

1. Concrete material, including grout, is used
2. Concrete dust and debris result from demolition
3. Saw cutting, coring, grinding, grooving, or hydro-concrete demolition of cement concrete, AC, or HMA creates a residue or slurry
4. Concrete truck or other concrete-coated equipment is cleaned at the job site

2.8 Sanitary and Septic Waste -Do not bury or discharge wastewater from sanitary or septic systems. Management must inspect sanitary or septic waste storage and monitor disposal procedures. Sanitary facilities that discharge to the sanitary sewer system must be properly connected and free from leaks. Place sanitary facilities at least 50 feet away from storm drains, watercourses, and flow lines. Obtain written approval before discharging from a sanitary or septic system directly into a sanitary sewer system, and submit a copy to the owner. Comply with local health agency provisions while using an on-site disposal system.

2.9 Liquid Waste - Use practices that will prevent job site liquid waste from entering storm drain systems or watercourses. Liquid waste includes the following:

1. Drilling slurries or fluids
2. Grease-free or oil-free wastewater or rinse water
3. Dredgings, including liquid waste from drainage system cleaning
4. Liquid waste running off a surface including wash or rinse water
5. Other non-storm water liquids not covered by separate permits

Hold liquid waste in structurally sound, leak proof containers such as:

1. Roll-off bins
2. Portable tanks

Liquid waste containers must be of sufficient quantity and volume to prevent overflow, spills and leaks. Store containers:

1. At least 50 feet from moving vehicles and equipment
2. If within the floodplain, at least 100 feet from concentrated flows of storm water, drainage courses, watercourses, and storm drain inlets unless approved
3. If outside the floodplain, at least 50 feet from concentrated flows of storm water, drainage courses, watercourses, and storm drain inlets unless approved

Remove and dispose of deposited solids from sediment traps under "Solid Waste" of these special provisions unless the owner approves another method. Liquid waste may require testing to determine hazardous material content before disposal.

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2.10 Collection of Waste- Properly label the container.

If a hazardous waste label is required, fill in the label. In satellite collection areas, the "Accumulation Start Date" is left blank.

Label the container with a description of the contents (e.g.: "USED RAGS").

The container used for Hazardous Waste may remain in the satellite collection area until it is full.

Note: The container used for Hazardous Waste may remain in the satellite collection area until it reaches a volume of 55 gallons for hazardous waste, or 1 quart for acutely hazardous waste. The volume required applies to each Hazardous Waste stream generated in an area. For example, an area may have up to 55 gallons of Waste Mineral Spirits and up to 55 gallons of Waste Acetone as long as each waste is properly identified.

2.11 Disposal of Waste -When a container of waste is full, contact the Environmental Contact to begin disposal process.

The Environmental Contact or their representative will be responsible for entering the "Accumulation Start Date" on the Hazardous Waste label

Environmental Contact will sign the completed the manifest. The Environmental Contact or their representative will complete all shipping documents required for transportation of the waste.

Midland Engineering Co., Inc. staff will not sign hazardous waste shipping manifests.

Any Hazardous Waste generated in a satellite area must be transported (when drum is full) to an appropriate storage area or sent for disposal within 72 hours.

3 Resources

When in doubt about the handling of any waste, call Midland Engineering Co., Inc. EHS Specialist.

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TRAINING

Midland Engineering Co., Inc. employees will be initially trained upon hiring about the following topics:

- identification of universal waste;
- container use, marking, labeling, and on-site transportation; and
- storage area requirements
- proper way to dispose of non-hazardous waste
- if hazardous materials are generated then proper procedures must exist

Special training will be provided as deemed necessary by the Supervisor and/or the ENVIRONMENTAL CONTACT.

Acknowledgement

I have read and understand the above referenced procedures. I understand that the complete procedures should be used when I perform this maintenance task.

Signature (Employee)

Date

Review by Supervisor/Department Head

I verify that the above signed person has an understanding of the above referenced procedures and is authorized to perform the tasks it entails. I understand I am responsible for keeping the on-site employees under my supervision informed of the above procedures.
