

## UMD 619 – Pollution Prevention /Good housekeeping BMP

Title: **Handling of Hazardous Materials and Environmental Pollutants.** – Procedure Review

Current use, storage and disposal of hazardous materials by staff at the Robert W. Bridges Fleet Grounds Maintenance Facility are proper and compliant with University rules ([http://www.d.umn.edu/ehso/waste\\_management/](http://www.d.umn.edu/ehso/waste_management/)). There is no external, uncovered, storage of hazardous materials.

Waste material is collected in labeled containers inside the garage portion of the facility and kept in an outdoor storage shed on the site until the storage containers are full. Only trained personnel are allowed to collect and move waste into the storage shed. A *Waste Disposal Request Form* is filled out prior to moving the materials to the shed and sent to Environmental Health and Safety who has qualified University staff to ensure proper disposal. These forms serve as the inventory of what is in the shed.

The majority of the waste generated at this facility consists of used oils destined for recycling. Other wastes generated by this operation which may be stored at the shed at any time are:

- Lead Acid batteries
- Rags and absorbing material contaminated with oils and oil-related products
- Oil filters
- Anti-freeze
- Spray cans
- Parts-washer filter (the parts washer at this facility uses a ZEP product which does not generate any waste solvent except waste filters once or twice a year)

The storage shed is equipped with plastic spill containment pallets capable of holding approximately 68 gallons of liquids per pallet. The storm water from the storage shed area is directed through a Stormceptor oil and sediment separator. Annual monitoring of this device shows only a light sheen of hydrocarbons in the storm water system. Therefore, the likelihood of spillage or leaks with the potential to cause any damage or noticeable contamination is minimal and no drastic procedural changes are necessary.

No special training is required as necessary employees already have University emergency response and hazardous waste management training on a regular basis.

Facilities Management is looking into the installation of a used oil containment tank inside the main building so that oils would no longer be transferred and stored in the outdoor storage shed. The used oil would then be picked up by a bulk used oil recycling vendor.

### Recommendations

1. Facility staff should maintain a weekly inspection log of the shed area and contents.
2. Post the area with a sign(s) displaying proper container storage to prevent spills and/or leaks and emergency/reporting procedures to be followed in case of a spill or a leak.

For additional information, the following are recommended:

- Hazardous waste management training: <http://www.d.umn.edu/ehso/WASTE/>
- Campus Emergency Information: <http://www.d.umn.edu/ehso/emergencies/>

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