

### MAINTENANCE OVERVIEW



*If a bulk storage container is leaking, contact the Facility Supervisor to make repairs, or transfer the material to a new container.*

### BULK STORAGE PROCEDURES

**Description:**

Maintenance facilities store a variety of products that may adversely impact water quality if they come in contact with surface waters. The following procedures are used to reduce the potential for the discharge of materials from bulk storage containers (totes, above or underground tanks, etc.) to the stormwater drainage system and Waters of the State by minimizing exposure of the materials to stormwater and safeguarding against accidental release of materials.

**Potential Pollutants:**

- Asphalt material
- Cement
- Epoxy resins
- Fuel
- Chlorides (salt)
- Paint Materials
- Fertilizer/Pesticides
- Solvents
- Vehicle fluids

### **Protection & Safety:**

- Install safeguards to prevent accidental releases, such as protection guards around tanks and pipes to prevent vehicle or forklift damage. Limit access to unauthorized persons.
- Do not store incompatible products in the same storage area without some type of physical barrier separating the containers. For example, do not store strong oxidizers with organics, or flammable/combustible materials.
- When feasible, store materials under cover (not exposed to precipitation) and away from areas that might drain into the stormwater drainage system or watercourses.
- Ensure bulk storage container covers, caps, and lids, are secure when not being filled and when not in use.
- If a container is corroded or leaking, contact the Facility Supervisor to make a plan to have the container repaired and transfer the material to a new container if material is not being contained.
- For open containment systems (i.e. harvesting tanks), maintain a specified freeboard based on the size of the containment. Consult with the NDOT Highway Environmental Biologist for more information.

### **Labeling:**

- Do not remove original product label from paint or hazardous materials containers as it contains important spill cleanup and disposal information.
- For new containers, or replacement of old containers, label appropriately and properly dispose of the old container.
- Review Material Safety Data Sheets with personnel on proper labeling requirements.

### **Inspection:**

- Inspect storage areas monthly for safety and labeling.
- Inspect all pumps, pipes, fasteners, valves and other components of the storage unit monthly to identify corrosion, malfunction, leaks, or otherwise deficient equipment.

### **Spill Procedures:**

- Maintain Material Safety Data Sheets in a manner that is accessible to personnel who may conduct spill cleanup procedures and disposal of hazardous materials.
- Maintain spill containment and cleanup materials near the storage area. Cleanup spills or leaks immediately if it is safe to do so. If a spill of a known hazardous material is too large for on-site clean-up, report situation to local emergency responders immediately and follow Operations Environmental Procedures – Spills, Dumping and Other Illicit Discharges.