

PREVENT STORMWATER CONTAMINATION



Best Management Practices for Liquid Waste Recyclers

Individual Drum/Container Storage

- Ensure container/drums are in good condition. Store waste materials in materially-compatible drums. Use Containers that meet National Fire Protection Association guidelines.
- Put individual containers on pallets. Limit stack height of individual containers/drums. Provide straps, plastic wrap around stacked containers to provide stability.
- Comply with NFPA guidelines for segregation of flammable wastes.
- Provide adequate clearance to allow material movement and access by material handling equipment.
- Provide semi-permanent or permanent cover over wastes.
- Establish clean-up procedures, including the use of dry absorbents for all spills or leaks.
- Prohibit washing down of material storage areas. Disconnect or seal all floor drains from storm drain system.
- Develop Spill Prevention Countermeasures and Control procedures for all liquid container storage areas. Ensure employees are familiar with SPCC procedures.
- Provide secondary containment, dikes, berms, containment trench, sumps or other equivalent measures in all storage areas.

Bulk Liquid Storage

- Use welded pipe versus flange connections. Inspect all flange gaskets for deterioration.
- Apply corrosion inhibitors to exposed metal surfaces.
- Provide high-level alarms for storage tanks.
- Provide piping, valves, pumps, motors, as necessary, at all pumping stations.

- Provide manually activated shutoff valves in the event of spill. Install and/or audible alarms in the event of a spill.
- Install manually activated drainage valves versus flapper-type drain valves.
- Provide security against vandalism and tampering.
- Provide secondary containment around all bulk storage tanks, including berms, dikes, surface impoundments or equivalent. Ensure surfaces of secondary containment areas are adequately sealed to prevent leaks.
- Provide stationary boxes around all return and fill stations to eliminate/minimize hose drainage and minor waste transfer spills.

Waste Transfer Areas

- Provide secondary spill containment or equivalent measures for all waste containers.
- Establish clean-up procedures for minor spills including the use of dry absorbents.

Inspections

- Conduct inspections of all material storage, handling and transfer areas.
- Document signs of corrosion, worn parts or components on pumps and motors, leaking seals and gaskets.
- Conduct periodic nondestructive testing of all bulk storage tanks for signs of deteriorating structural integrity.

Prevent Maintenance

- Conduct periodic preventive maintenance of all structural controls. Replace worn parts on components on valves, pumps and motors per manufacturer's recommendations.

Vehicle Maintenance (if applicable)

- Establish an inventory of materials used in the maintenance shop that could become a potential pollutant source with stormwater runoff, (e.g. fuels, solvents, oils, lubricants).
- Store and dispose of oily rags, filters (oil and air), batteries, engine coolant, transmission fluid, used oil, brake fluid and solvents in a manner that minimizes potential contact with runoff and in compliance with State and Federal regulations.
- Provide good housekeeping measures.
- Conduct inspections of work areas for compliance with BMP's.
- Label and track recycling of waste materials, (e.g. batteries, solvent, used oil).
- Drain oil filters before disposal or recycling.
- Drain all fluids from all parts or components that will become scrap material or secondhand parts.
- Store liquid waste materials in compatible containers.
- Store and dispose used batteries in accordance with scrap lead acid battery program.
- Disconnect all floor drains connected to storm drain system.
- Prohibit non-stormwater discharges, (e.g. dumping of used liquids down floor drains and wash down of maintenance areas).

Vehicle Cleaning (if applicable)

- Avoid washing vehicles and equipment outdoors.
- Use biodegradable, phosphate free detergents.
- Recycle wash water.
- Provide vehicle wash rack with dedicated sediment trap.
- Use auto shut-off valves on washing equipment.

Training

- Provide employee training on appropriate storage and disposal of waste materials.
- Provide employee training on proper material handling and storage procedures. Require familiarization with applicable SPCC measures.

Storm Drains are for Rain Water, Pure and Simple.

If Spill Occur:

- *Stop the source of the spill immediately.*
- *Contain the liquid until cleanup is complete.*
- *Deploy oil containment booms if the spill may reach the water.*
- *Cover the spill with absorbent material.*
- *Keep the area well ventilated.*
- *Dispose of clean-up materials properly.*
- *Do not use emulsifier or dispersant.*



Department of Transportation
Stormwater Management Section
(520) 791-4251