



OUTDOOR HANDLING OF MATERIALS AND WASTE – BMP FACTSHEET 1.1

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Definition and Purpose:

Prevent or reduce the discharge of pollutants to stormwater from the handling and disposal of outdoor waste materials.

To provide guidance on the correct maintenance practices, operations, and pollution prevention practices when handling outdoor materials.

The goal of regulating outdoor procedures when handling material waste is to prevent spills and leaks by requiring facility owners to comply with various safeguard requirements. These include safeguards such as secondary containment, corrosion protection, overfill prevention, and leak detection.

Outdoor material handling is used when indoor handling is not feasible. Many facilities on Ft. Belvoir have designated outside facilities which house both raw materials and waste materials. It is important when handling these materials proper procedures are followed so that pollutants do not migrate by stormwater into our natural waterways.



Approach:

The permit authorizes certain new and existing discharges of stormwater to receiving waters in accordance with your facilities effluent limitations and includes the development and implementation of BMPs (Best Management Practices). In order to insure BMPs are being implemented, visual inspections and sampling of outfalls will be performed periodically and during the course of the SWPPP annual inspections.



Existing and New Facilities: When complaint investigations or routine stormwater audits for current facilities indicate impacts to water resources due to poor management practices, ENRD can take action to address any problems identified. Infrastructure and equipment, in addition to BMP implementation, are evaluated during inspections. To minimize the potential for compliance issues and to reduce liability the recommendations in this document should be followed

Pollution prevention

Many of the problems associated with contamination of local waterways stem from the improper materials handling and management of outdoor storage areas. The proper management and preventative maintenance practices for outdoor storage facilities will keep equipment in good repair and will prevent harmful releases.

***These are the basic operation guidelines ALL outdoor storage/handling facilities must follow:**

- Store materials on paved or impervious surfaces. (free of cracks or gaps)
- Protect materials stored outside from rainfall and wind dispersal. Materials should be stored indoors, if feasible.
- Have secondary containment for all HAZMAT waste and material storage containers.
- Containers must have proper labeling and secure lids.
- Follow good housekeeping practices – keep things orderly and in good working condition.



****Please see factsheet on Outdoor Storage of Waste and Materials****

Outdoor unloading/loading of materials (spill prevention)

- Park vehicles and conduct loading/unloading only in designated areas so that spills or leaks can be contained.
- Cover the loading/unloading docks to reduce exposure of materials to rain.



- Clean loading/unloading areas regularly to remove potential sources of pollutants.
- Use drip pans underneath hose and pipe connections and other leak-prone spots during liquid transfer operations, and when making and breaking connections.
- If possible, conduct loading and unloading in dry weather.
- Make sure that emergency spill kit is fully stocked and readily available in loading/unloading area.
- For short term storage, place the material on a paved surface and cover it with tarps or plastic sheeting, secured with weights or ropes.

Reducing exposure of materials/pollutants to stormwater

- The area where truck transfers take place should be paved and free of cracks and gaps.
- Park vehicles and conduct loading/unloading only in designated loading/unloading areas so that spills or leaks can be contained.
- If a cover is unfeasible, use overhangs, or seals or door skirts to enclose areas.
- Position roof downspouts to direct stormwater away from the area.
- Avoid placing loading/unloading areas near storm drains. Stencil storm drains
- Clean loading/unloading areas regularly to remove potential sources of pollutants. This includes outside areas that are regularly covered by containers or other materials.
- Properly design loading/unloading areas to prevent storm water run-on, runoff of spills, etc. If possible grade and/or berm the area to prevent run-on.



Spill response – In the event of a spill or leak follow the appropriate Spill response procedures posted at your facility or refer to your facility SWPPP.

1. Survey the incident – from a safe distance identify the source of release and the material being released.
2. Call the Ft. Belvoir fire department if spills are greater than 5 gallons.

*If **ANY** amount of leaked materials has entered a storm drain or waterway **call the Ft. Belvoir fire department at 703- 781-1800 and DPW Environmental Department at 703-806-3694**

For questions and additional information contact DPW / ENRD at 703- 805-0048 or 703-806-3847



