

NS-13 MATERIAL AND EQUIPMENT USE OVER WATER



BMP Objectives

- Perimeter Control
- Slope Protection
- Borrow and Stockpiles
- Drainage Areas
- Sediment Trapping
- Stream Protection
- Temporary Stabilizing
- Permanent Stabilizing

Definition and Purpose

Material and equipment use over water consists of procedures for the proper use, storage, and disposal of materials and equipment on barges, bridges, boats, temporary construction pads, or similar locations that minimize or eliminate the discharge of potential pollutants to a watercourse.

Appropriate Applications

- Construction materials and wastes (solid and liquid)
- Any materials that may be detrimental if released.

Design Parameters

- Refer to WM-2 (Material Delivery and Storage) and WM-5 (Spill Prevention and Control).
- Use drip pans and absorbent materials for equipment and vehicles and ensure that an adequate supply of spill cleanup materials is available.
- Place drip pans under all vehicles and equipment placed on docks, barges, or other structures over water bodies when the vehicle or equipment is expected to be idle for more than 1 hour.
- Maintain equipment in accordance with NS-10 (Vehicle and Equipment Maintenance). If a leaking line cannot be repaired, remove equipment from over the water.
- Provide watertight curbs or toe boards to contain spills and prevent materials, tools, and debris from leaving the barge, platform, dock, etc.
- Secure all materials to prevent discharges to receiving waters via wind.
- Identify types of spill control measures to be employed, including the storage location of such materials and equipment. Ensure that staff is trained regarding the deployment and access of control measures.

- Ensure the timely and proper removal of accumulated wastes.
- Refer to WM-6 (Solid Waste Management) and WM-7 (Hazardous Waste Management).
- Comply with all necessary permits required for construction within or near the watercourse.
- Also refer to NS-15 (Structure Demolition/Removal Over or Adjacent to Water).

Maintenance and Inspection

- Conduct inspections as required by the NPDES permit or contract specifications.
- Ensure that employees and subcontractors implement appropriate measures for storage and use of materials and equipment and spill clean-up procedures.