

Environmental Management Practices



Activity: Ship and Shore Generated Solid Waste Handling

EMP No. O-8

Description:

Prevent discharge of contaminants associated with solid waste handling.



Targeted Activities:

Solid Waste Collection
Solid Waste Handling
Solid Waste Disposal

Development EMPs:

- Design new facilities to prevent exposure to stormwater
- Cover storage facilities to prevent rainwater from carrying contaminants to storm drains
- Berm area to prevent run on of stormwater and to minimize runoff of contaminants
- Clearly mark new facilities indicating what materials are acceptable for disposal
- Keep hazardous waste/used oil receptacles separate from solid waste facilities
- Provide receptacles for recyclable materials
 - Primary recyclables include aluminum, paper, including cardboard, glass, and wood
- Use compactors to minimize storage requirements and disposal costs for all solid wastes

Potential Pollutants:

Oils and Grease
Petroleum Hydrocarbons
Metals
Solvents
Paints

Target Environmental Media:

Surface Water
Soil

US Regulatory Requirements & Guidance:

40 CFR 117.3 Determination of Reportable Quantities for a Hazardous Substance
40 CFR 122-124 NPDES Regulations for Storm Water Discharges
40 CFR 260-262, 268, and 270-272 Hazardous Waste Management State and Local Regulations as appropriate to the Port

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Operational EMPs:

- Empty solid waste receptacles frequently
- Ensure that receptacles are easily accessible
- Ensure that receptacles are covered and drain plugs are closed
- Empty liquid wastes into proper receptacles or into sanitary sewer
- Clearly mark receptacles to minimize disposal of hazardous materials such as paints and solvents
- For garbage skips, wastes should be bagged
 - Skips should be emptied when full
- Develop information packages designed for ship captains
 - Identify solid waste reception facilities
 - Identify acceptable handling procedures
- Separate authorized facilities for international waste disposal. [local, state, and federal rules should be consulted]
 - Keep accurate records of solid waste storage and disposal activities
 - Encourage recycling
 - Monitor materials placed in receptacles; remove batteries, fluorescent light fixtures, and containers with solvents and paints, and other hazardous wastes

Considerations:

- Solid waste should be monitored to minimize disposal of hazardous materials
- Recycling should be encouraged
- Spill response materials should be readily available