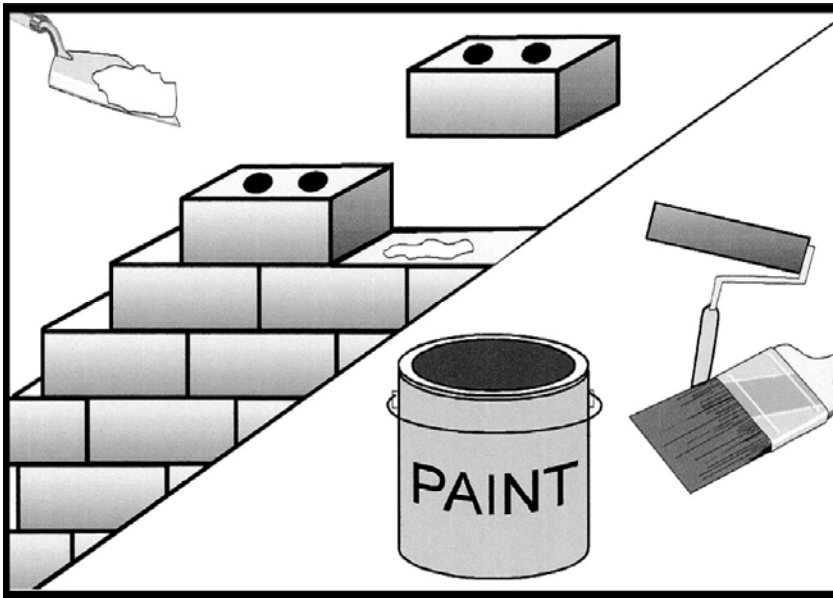

Structure Construction and Painting

SM-20



Source: Knoxville BMP Manual, 2003.

Description

Practices and procedures to reduce or prevent the discharge of pollutants from structure construction and painting activities into the storm drain system or adjacent water bodies. Pollutants include solvents, paints, paint and varnish removers, finishing residues, spent thinners, soap cleaners, kerosene, asphalt and concrete materials, epoxy compounds, adhesive residues, and old asbestos insulation. Refer to SM-6 (Solid Waste Management), SM-9 (Hazardous Waste Management), and SM-5 (Concrete Waste Management) in this manual for additional information.

Applications

Construction or maintenance activities involving painting or structure repair and construction.

Installation and Implementation Requirements

- Maintain a clean and orderly work site.
- Use recycled or less hazardous products if practical.
- Comply with local air quality and OSHA regulations during painting activities.
- Properly store paints, solvents, and epoxy compounds.
- Properly store and dispose waste materials generated from painting and structure repair and construction activities.
- Avoid drift by enclosing or covering painting operations.
- Use appropriate application equipment to minimize overspray.
- Immediately clean up spills.
- Collect residue from sand blasting or scraping operations on a drop cloth. Dispose of this residue properly.

Structure Construction and Painting

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Installation and Implementation Requirements (Continued)

- Paint chips containing lead or tributyl tin shall be treated as hazardous waste. Refer to the SM-9 (Hazardous Waste Management) in this manual for more information.
- Clean painting equipment in a sink connected to the sanitary sewer system.
- Mix paints in a covered and contained area when possible to minimize adverse impacts from spills.
- Comply with applicable laws and regulations for recycle/disposal of residual paints, solvents, lumber, and other materials.
- Minimize inadvertent disposal of residual paints and other liquids by ensuring nearby storm drains are clearly marked.
- Upon completion of the activity, inspect the storm drain system in the immediate work area and remove dirt or debris.
- Provide employee training.
- Properly dispose of material from sand blasting activities. Chips and dust from marine paints or paints containing lead shall be considered hazardous waste. Paint chips and dust from non-hazardous dry stripping and sand blasting shall be swept and disposed of as trash.

Limitations

- Availability of recycled or less hazardous products may be limited.
- Hazardous waste which may not be recycled or reused shall be disposed of by a licensed hazardous waste transporter.
- Storm water quality protection measures shall comply with State and Federal safety (OSHA) and air quality regulations.

Inspections and Maintenance

Materials and equipment for proper housekeeping and disposal practices shall be readily available.