

Building Maintenance and Repair



Issue Date: August 2018

PAINTING

SCM-PP/GH-32



Description

Painting, and related activities, are an important component of building, roadway, and elevated structure maintenance and repair which can introduce metals, sediments, and floatables into storm sewers and waterways. Implementing the following management practices can help minimize the introduction of pollutants into the storm sewers and waterways.

NYC MS4 SPDES Permit Requirement(s)	IV.A Public Outreach/Education IV.E Construction Site Controls IV.G Pollution Prevention/Good Housekeeping for Municipal Operations IV.H Industrial/Commercial Sources
KEY SELECTION CRITERIA	
Targeted Activities	<ul style="list-style-type: none"> • Surface preparation and painting activities
Performance Goals	<ul style="list-style-type: none"> • Minimize the introduction of paint, dust, paint chips & painting wastes into storm sewers & waterways • Implement good housekeeping practices
Most Effective Controls <small>(more detail on page 2)</small>	<ul style="list-style-type: none"> • Use drip pans & drop cloth in work area during active painting • Provide containment during surface preparation to limit airborne particulates • Store liquid materials under cover in tightly sealed containers - check frequently for leaks • Respond to spills immediately using dry sorbent materials
RELATED CONTROL MEASURES AND REGULATIONS	
Related SCMs	<ul style="list-style-type: none"> • SCM-PP/GH-18 thru 20 • SCM-PP/GH-26 • SCM-PP/GH-27 • SCM-PP/GH-31
Other Regulatory Requirements*	<ul style="list-style-type: none"> • 12 NYCRR Part 23-2.8 • 29 CFR part 1915.35, 1926.50 to 1926.66 • 40 CFR 355 & 370

EFFECTIVENESS FOR TARGETED POLLUTANTS / IMPAIRMENTS

✓	Floatables
✓	Sediments
	Nitrogen
	Phosphorus
	Pathogens
	Oxygen Demand
	PCBs
✓✓	Metals
	Petroleum Products/PAHs

✓✓ = Good ✓ = Fair = Poor

CONTROL STRATEGIES

✓	Cover/Contain
✓	Clean Up
✓	Reduce/Minimize
✓	Product Substitutions
✓	Manage Runoff
✓	Capture/Treat/Dispose

✓ = Yes

*Note: RCNY: Rules of the City of New York; NYCRR: New York Codes, Rules and Regulations; CFR: Code of Federal Regulations

Listed regulatory requirements are not inclusive of all legal requirements applicable to NYC facilities. Local, state, and/or federal regulations should be consulted to ensure full regulatory compliance.

Control Strategies/Suggested Practices

COVER/CONTAIN

- Store paints, coatings, and solvents under cover in a contained area. Keep containers in good condition and closed when not in use.
- Enclose painting and paint removal operations, where possible.

CLEAN UP

- Clean up spills immediately. Maintain proper spill response materials and equipment.
- Use drip pans and drop cloth in paint and paint removal chemical mixing areas and areas being painted.
- Paint dust, particles, and other debris must be completely cleaned up, preferably by sweeping, and disposed of properly. Sweeping of lead based paint is not permitted.
- Sweeping of lead based paint is not permitted; use vacuuming as alternative.

REDUCE/MINIMIZE

- Use drip pans, drop cloth, suspended tarps, and booms, as appropriate, in mixing and painting areas.
- Filter, reuse, and recycle thinners and solvents.
- Drain leftover paint in roller pan back into paint can. For paint hoses and guns, spray out the paint residue into a paint can.

PRODUCT SUBSTITUTION

- Use low-volatile organic compound (VOC) paints in place of standard paints. Use water-based paints instead of oil-based paints.

MANAGE RUNOFF

- Provide appropriate inlet and storm drain protection during painting operations including areas that sheet flow directly into water bodies.

CAPTURE/TREAT/DISPOSE

- Paint thinners cannot be discharged to the storm or sanitary sewer and must be disposed of as hazardous waste.
- Collect all unused or waste materials and dispose of properly.
- Contain rinse water from latex paint equipment and dispose of properly.

References

1. NYSDEC, *Municipal Pollution Prevention and Good Housekeeping Program Assistance*, May 2006
2. USEPA, *Urban Subwatershed Restoration Manual Series Municipal Pollution Prevention/Good Housekeeping Practices Manual 8*, February 2005.
3. NYSDOT, *Standard Specifications, Section 571, Treatment and Disposal of Paint Removal Waste*, May 2008
4. Western New York Stormwater Coalition, *Erie County Department of Environment and Planning Division of Environmental Compliance Services, Pollution Prevention/Good Housekeeping for Municipal Operations: A Guidance Document of Best Management Practices and Inspection Checklist*, April 2006.