

Paved Surface Maintenance



Issue Date: August 2018

PAVEMENT/SIDEWALK RESURFACING AND REPAIR

SCM-PP/GH-18



Description

Pavement/sidewalk resurfacing and repair uses materials and activities that can contaminate waterways if they interact with stormwater. Implementing the following management practices can help minimize the introduction of pollutants into the storm drain system and waterways.

NYC MS4 SPDES Permit Requirement(s)	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"> Pavement and sidewalk resurfacing and repair
Performance Goals	<ul style="list-style-type: none"> Minimize pollutants entering storm drains and waterways Implement good housekeeping practices
Most Effective Controls <small>(more detail on page 2)</small>	<ul style="list-style-type: none"> Prevent paving materials from entering the storm sewer Perform paving or marking activities in dry weather Collect any loose materials soon after construction activities
RELATED CONTROL MEASURES AND REGULATIONS	
Related SCMs	<ul style="list-style-type: none"> SCM-PP/GH-10 SCM-PP/GH-16 SCM-PP/GH-19 SCM-PP/GH-38 SCM-PP/GH-20 SCM-PP/GH-26 SCM-PP/GH-27 SCM-PP/GH-32
Other Regulatory Requirements*	<ul style="list-style-type: none"> 34 RCNY 2-09, 2-11 & 2-13(l)

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

- Use tarps or other covers on exposed soil areas during resurfacing and repairs.

CLEAN UP

- Collect any loose sand, gravel, asphalt, or other material as soon as possible after construction activities. Never wash excess materials into a street, gutter or storm drain.
- Shovel or vacuum to clean up saw-cut slurry and remove from site for proper disposal.
- When placing chip seals, limit spreading aggregate to the sealed surface and sweep up excess aggregate.

REDUCE/MINIMIZE

- Minimize the area of soils left exposed or graded during resurfacing and repair.
- Use dry cutting techniques when saw cutting and sweep/vacuum residue.
- If wet cutting is necessary, control cooling water use and switch the water off when the saw is not in use.
- Perform traffic marking or paving activities that use concrete, asphalt, or other sealers only in dry weather.
- Use booms and vacuums during painting, wet saw cutting, sand blasting, or water blasting activities.
- Reuse road spoil in repairs if possible.
- Eliminate “edge break” by fully sealing road shoulders.

PRODUCT SUBSTITUTION

- When marking pavement/sidewalk, use water-based paints or thermoplastics rather than solvent-based ones.

MANAGE RUNOFF

- Use check dams, ditches or berms to divert runoff around excavations.
- Avoid over-application by water trucks for dust control.
- Prevent paving materials and wastes from entering the storm sewer. Cover all catch basins while milling and resurfacing.

CAPTURE/TREAT/DISPOSE

- Collect saw cut water and concrete washout.

References

1. 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
2. USEPA, *Urban Subwatershed Restoration Manual Series Municipal Pollution Prevention/Good Housekeeping Practices Manual 9*, September 2008
3. NYCDOT, *ROW Operations*, February 2016