

# Paved Surface Maintenance



Issue Date: August 2018

## PAVEMENT CLEANING SCM-PP/GH-16



### Description

Pavement cleaning or street sweeping is critical to reducing the amount of trash, litter, sediments, and other pollutants entering storm sewers and waterways. Implementing the following management practices can help minimize the introduction of pollutants into the storm drain system and waterways.

<b>NYC MS4 SPDES Permit Requirement(s)</b>	IV.E Construction Site Controls IV.G Pollution Prevention/Good Housekeeping for Municipal Operations IV.H Industrial / Commercial Sources IV.I Trash and Debris Control
<b>KEY SELECTION CRITERIA</b>	
<b>Targeted Activities</b>	<ul style="list-style-type: none"> <li>Street, sidewalk, parking lots, and other pavement cleaning and sweeping</li> </ul>
<b>Performance Goals</b>	<ul style="list-style-type: none"> <li>Minimize pollutants entering storm sewers and waterways</li> <li>Implement good housekeeping practices</li> </ul>
<b>Most Effective Controls</b> <small>(more detail on page 2)</small>	<ul style="list-style-type: none"> <li>Sweep streets at optimal frequency for area</li> <li>Select most effective combination of sweeper technology</li> <li>Work with police departments to enforce parking restrictions</li> </ul>
<b>RELATED CONTROL MEASURES AND REGULATIONS</b>	
<b>Related SCMs</b>	<ul style="list-style-type: none"> <li>SCM-PP/GH-11</li> <li>SCM-PP/GH-17</li> <li>SCM-PP/GH-18</li> <li>SCM-PP/GH-19</li> <li>SCM-PP/GH-20</li> <li>SCM-PP/GH-26</li> <li>SCM-PP/GH-27</li> </ul>
<b>Other Regulatory Requirements*</b>	<ul style="list-style-type: none"> <li>34 RCNY 4.02 and 4.08</li> </ul>

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

## Control Strategies/Suggested Practices

### COVER/CONTAIN

N/A

### CLEAN UP

- Clean out sweepers and deposit sweepings in designated areas and dispose of properly.

### REDUCE/MINIMIZE

- Sweep streets at the optimal frequency to achieve the maximum feasible pollutant removal, given local rainfall, street density, tree cover, curb access and traffic safety.
- Enforce regulations for litter control and trash and refuse storage.
- Ensure that equipment is in good working order and contains filters and/or other controls as feasible.
- Maintain a training program for operators on the use of street sweepers.
- Perform tandem sweeping or make multiple passes on a street whenever conditions necessitate.
- Patrol designated routes to ticket illegally parked cars to optimize access to trash and floatables accumulated at the curb.

### PRODUCT SUBSTITUTION

- Select the more effective regenerative air and vacuum sweeper technologies if consistent with municipal budgets.

### MANAGE RUNOFF

N/A

### CAPTURE/TREAT/DISPOSE

N/A

## References

1. NYSDOT, ESB, *Environmental Handbook for Transportation Operations, A Summary of the Environmental Requirements and Best Practices for Maintaining and Constructing Highways and Transportation Systems*, June 2011
2. USEPA, *Urban Subwatershed Restoration Manual Series, Municipal Pollution Prevention/Good Housekeeping Practices Manual 9*, September 2008
3. NYS DEC, *Urban/Stormwater Runoff Management Practices Catalogue for Nonpoint Source Pollution Prevention in New York State*, February 2002