

Stormwater Collection System



Issue Date: August 2018

STORM SEWER/UNDERGROUND FACILITY CLEANING & REPAIR

SCM-PP/GH-12



Description

Cleaning and repair activities for storm sewers and underground facilities to optimize safe conveyance of stormwater runoff to discharge points. These activities have the potential of introducing sediments, floatables and other pollutants into stormwater runoff.

NYC MS4 SPDES Permit Requirement(s)	IV.G Pollution Prevention/Good Housekeeping for Municipal Operations and Facilities IV.H Industrial and Commercial Sources IV.I Trash and Debris Control
KEY SELECTION CRITERIA	
Targeted Activities	<ul style="list-style-type: none"> Cleaning and repair of storm sewers and underground facilities
Performance Goals	<ul style="list-style-type: none"> Minimize pollutants entering waterways and wetlands Implement good housekeeping practices
Most Effective Controls <small>(more detail on page 2)</small>	<ul style="list-style-type: none"> Capture and properly dispose of wastes Clean storm sewers and underground facilities during dry weather
RELATED CONTROL MEASURES AND REGULATIONS	
Related SCMs	<ul style="list-style-type: none"> SCM-PP/GH-11 SCM-PP/GH-19 SCM-PP/GH-26 SCM-PP/GH-27
Other Regulatory Requirements*	Potentially applicable regulations included in the referenced SCMs.

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

- Containment devices such as berms and booms should be installed during cleaning & repair activities.
- Exposed work areas should be covered during non-work hours.

CLEAN UP

- Manage wastes generated during cleaning and repair activities according to SCM-PP/GH-26 and appropriate regulatory requirements.
- Respond to any spills quickly and efficiently.
- Maintain a log of the amount of sediment collected and date removed.
- Keep records on accumulation rates within each underground facility using GIS or other tracking system and identify priority areas with high accumulation rates.
- Remove sediment and debris from underground facilities during dry weather, when possible, following manufacturer's instructions, to prevent resuspension of sediments and pollutants during rain and snow events.

REDUCE/MINIMIZE

- During cleaning and repair, report suspected illicit discharges, such as sewage effluent or chemical contamination.
- Repairs should be performed using the minimum amount of materials necessary to complete the task to avoid generation of waste and minimize spills.

PRODUCT SUBSTITUTION

N/A

MANAGE RUNOFF

N/A

CAPTURE AND TREAT

- Collect and discharge water used to flush storm sewers to the sanitary sewer system in order to protect waterways and wetlands.
- For systems that discharge to a waterway or wetland, install structural sediment control measures at the downstream end to capture flushed materials.
- Sediment and debris removed should be properly handled and disposed.

References

1. USEPA, *Potential Pollutants Likely Associated with Specific Municipal Facilities and Activities*, November 2015
2. USEPA/Center for Watershed Protection, *Municipal Pollution Prevention/Good Housekeeping Practices, Manual 9, Version 1.0, September 2008*.
3. NYSDOT, *Highway Maintenance Guidelines, Chapter 6: Drainage, January 2009*
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*
5. USEPA, *Pollution Prevention/Good Housekeeping for Municipal Operations, National Menu, 20016*. NYSDOT, *Environmental Handbook for Transportation Operations, June 2011*