

Stormwater Collection System



Issue Date: August 2018

CATCH BASIN/INLET CLEANING AND REPAIR

SCM-PP/GH-11



Description

Cleaning and repairing catch basins, inlets and pre-treatment controls helps to ensure they continue to capture and retain sediment and pollutants from stormwater runoff. These activities have the potential for 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 catch basins, inlets and pre-treatment controls
Performance Goals	<ul style="list-style-type: none"> Minimize pollutants entering storm sewers and waterways Implement good housekeeping practices Optimize performance of catch basins, inlets and pre-treatment controls
Most Effective Controls <small>(more detail on page 2)</small>	<ul style="list-style-type: none"> Capture and properly dispose of wastes Clean during dry weather when possible

RELATED CONTROL MEASURES AND REGULATIONS

Related SCMs	<ul style="list-style-type: none"> SCM-PP/GH-12 SCM-PP/GH-16 SCM-PP/GH-19 	<ul style="list-style-type: none"> SCM-PP/GH-26 SCM-PP/GH-27
Other Regulatory Requirements*	<ul style="list-style-type: none"> 15 RCNY 19-02 	

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

N/A

CLEAN UP

- Plan cleaning to coincide with municipal street sweeping, when feasible.
- Inspect catch basins and other inlets frequently and clean as needed.
- Clean during dry weather when catch basin sump is greater than one-third full.
- Clean catch basin inserts in accordance with manufacturer's specification.
- Clean up sediment and debris using dry methods, when feasible.
- Maintain a log of the amount of sediment collected and date removed.
- Keep records on accumulation rates within each catch basin using GIS or other tracking system and identify priority areas with high accumulation rates.

REDUCE/MINIMIZE

- Regularly clean areas tributary to catch basins and inlets.
- During cleaning, report suspected illicit discharges, such as sewage effluent or chemical contamination.
- Conduct repairs during dry weather.

PRODUCT SUBSTITUTION

N/A

MANAGE RUNOFF

N/A

CAPTURE/TREAT/DISPOSE

- Liquids collected during clean-outs should be disposed of properly. Do not discharge to the storm sewer or into water bodies.
- Sediment and debris removed should be properly handled and disposed of in a location not exposed to stormwater.
- Analyze materials to determine appropriate disposal method.

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