



City of Rochester, New Hampshire

PUBLIC WORKS DEPARTMENT

45 Old Dover Road • Rochester, NH 03867

(603) 332-4096 Fax (603) 335-4352

April 3, 2013

Mr. Jeff Andrews
New Hampshire Department of Environmental Services
Water Division
P.O. Box 95
Concord, NH 03302-0095

RE: NPDES Stormwater Annual Report – Rochester, New Hampshire – EPA ID No.
NHRO41028

Dear Mr. Andrews:

Enclosed, please find the annual stormwater report for the City of Rochester, New Hampshire. We trust that this information provided meets the reporting requirements of the general permit.

If you need additional information, please call the Department of Public Works at (603) 332-4096 or via e-mail at peter.nourse@rochesternh.net.

Sincerely,

CITY OF ROCHESTER, NEW HAMPSHIRE

Peter Nourse, PE
Public Works

Encl: Stormwater Annual Report No. 10 – April 2012 to March 2013

CC: Dan Fitzpatrick, City Manager

Municipality/Organization: Rochester, New Hampshire

EPA NPDES Permit Number: _____

NHDES Permit Number: NHR041028

Annual Report Number

& Reporting Period: April 1, 2012 – March 31,
2013(report no. 10)

NPDES PII Small MS4 General Permit
Annual Report
(Due: May 1, 2013)

Part I. General Information

Contact Person: Peter Nourse, PE

Title: Public Works Commissioner

Telephone #: (603) 332-4096

Email: peter.nourse@rochesternh.net

Mailing Address: 45 Old Dover Road, Rochester, NH 03867

Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: _____



Printed Name: Daniel Fitzpatrick

Title: City Manager

Date: APR 05 2013

Part II. Self-Assessment

The City of Rochester has continued to operate under the practices and procedures put into place during the 2003-2008 permit period until a new General Permit is issued by EPA New England. We have continued to develop our processes under our local Stormwater Management Ordinance (Chapter 50), which was adopted in May 2008.

During this permit period we processed 28 local construction-related stormwater permits. There are three levels of permit requirements: one level for site disturbances of between 5,000 and 20,000 square feet where there is a simplified permit review process by the Department of Public Works (DPW) in place, 20,000 square feet to 1 acre where a local stormwater management plan is required to be submitted and reviewed by DPW, and 1 acre and more in which City receives notification of the implementation of the Federal Notice of Intent program including the Stormwater Pollution Prevention Plan (SWPPP). The City also reviews all NHDES Alteration of Terrain permits for projects over 100,000 square feet (or 50,000 square feet in Shoreland Protection areas). During this reporting year we began to experience an increase in the quantity of construction activity projects in the City as compared to recent years. The City performed periodic monitoring to those locations where there was construction activity going on, we also continued to monitor areas where construction has been halted to ensure BMPs were maintained.

The City's Utility Division continues to be sensitive to and looks for any illicit connections into the storm sewer system as they perform their routine cleaning and maintenance activities. As these are identified, our utility crews make it a high priority to get them corrected. The City uses its sewer television camera to locate illicit connections when a stormwater outfall shows outward signs of wastewater contamination (e.g. gray water and solids).

This year, utility crews cleaned approximately 350 catch basins as part of the ongoing efforts to maintain all basins within the city limits, including areas outside of the regulated urbanized area.

The reconstruction of Pine Street, Brock Street and Salmon Falls Road Began in the Spring of 2012. These projects included installations and improvements to the closed drainage systems as well as installations of new water quality units.

The city staff continues to make efforts to reduce salt usage. A new highway foreman joined the staff this year; he has recently completed a Green SnowPro certification course offered by the UNH Technology Transfer Center which focused on efficient

and environmentally friendly winter maintenance practices.

In terms of public participation and educational efforts, the City has continued to sponsor events such as the Earth Day/Rochester Pride Day neighborhood cleanup, held each April, and the household hazardous waste collection day held every May. The City of Rochester Main Street worked with the Rochester Recreation department to organize the Earth Day/Rochester Pride Day City-wide cleanup on April 22nd, 2012. Over 200 volunteers participated in the event, work included bank cleanups along the Cocheco River and over 27 miles of road. The City once again sponsored a household hazardous waste collection event for residents of Rochester and ten smaller surrounding communities on May 5, 2012. The event serviced approximately 250 households containing hazardous waste for drop-off. The City has also worked with various organizations such as the Piscataqua Region Estuaries Partnership (PREP), to provide public outreach regarding the state of the regional waterways.

The Cocheco River Watershed Coalition again analyzed water quality samples for E. Coli as part of the Volunteer River Assessment (VRAP) program. In 2012, 216 samples were analyzed. The Coalition continued to be involved with the review of project plans in the river corridor. The City continued to work with the Coalition to explore opportunities for new LID practices throughout the city, and assisted the Coalition in monitoring past projects and giving tours to the public.

Through the efforts of the Cocheco River Watershed Coalition, the Cocheco River has been designated by the New Hampshire legislature as a protected river under New Hampshire's Rivers Management and Protection Program (NHRSA 483) as of July 21, 2009. This affords the river, which bisects Rochester from west to east, added protections.

Since the implementation of the solid waste totter program City-wide in March 2008, the incidences of piles of trash curbside exposed to stormwater during rainy days has been reduced dramatically. Also, the volume of trash that has been landfilled from City residents has decreased by over 20 percent and volume of trash that has been recycled has increased by approximately 45 percent since the implementation of this program.

City officials have continued their participation in regional stormwater management organizations, namely the Seacoast Stormwater Coalition. During this interim period since the expiration of first General Permit and subsequent reissuance of the next General Permit the City has worked to continue the momentum that was established to solidify practices and processes that were implemented during the final year of the Stormwater Management Plan.

Part III. Summary of Minimum Control Measures

1. Public Education and Outreach

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 10 (Reliance on non-municipal partners indicated, if any)	Planned Activities – (until a new General Permit is issued).
01-01 Revised	Prepare Stormwater Video	Public Works /Commissioner	Cable Access, school and library showings	The stormwater video continues to be a valuable tool for informing the public on the importance of stormwater stewardship and management. The video continues to be shown occasionally on the City's government cable television channel. This is augmented by other productions that we have obtained on the same subject. This year a locally produced video outlining items to bring to the household hazardous waste (HHW) day, was produced and aired on the City's government cable television channel prior to HHW day. Presentations are periodically given to City Council and aired on the City's government cable channel.	Will continue to use the stormwater video and HHW video as educational resources.
01-02 Revised	Support Annual Hazardous Waste Day	Public Works/ Office Manager	Coordinate & fund w/ Strafford Planning Commission; publicity	Community held household hazardous waste collection in Rochester on May 5, 2012. Again the city managed and coordinated regional collection for the city and 10 surrounding communities. Collected significant quantities of hazardous waste from approximately 248 households.	City is continuing to manage, publicize, and finance this regional effort annually. Another Household Hazardous Waste Collection is scheduled for May 4, 2013. Currently, we are planning only a spring HHW day.

01-03 Revised	Produce a Stormwater Brochure	Public Works/ City Engineer	Have available for public access locations in City	Continued to make brochures available at local City venues where there is public access using materials produced in previous years.	All brochures will continue to be made available as long as the supply lasts and they remain relevant. Additional brochures will be developed as pertinent topics surface.
01-04 Revised	Localized Website	Cocheco Watershed Coalition; Public Works	Tie in with City Webpage	City's stormwater website was available to the public throughout the year. Analysis of the City's website suggested that the stormwater page on the City's website had specific 842 page views during the reporting year. The City has been regularly using social media (facebook & twitter) to inform the public on a variety of items such as construction projects, water conservation tips and hydrant flushing.	The City will continue to monitor the effectiveness of the website by reviewing traffic. Adjustments can be made to promote the page on the website as necessary. The City will continue to use social media to publicize information of interest on a variety of topics including infrastructure improvements, construction activity, and development.
01-05	School Involvement	Various Teachers/ Public Works	Promote Stormwater as a topic in the classroom	The City makes the stormwater video available for local schools to use in the classroom. DPW personnel are always available for presentations when requested by the School Department. Public Works Department offers internships for students in the nearby Monarch School.	Stormwater presentations will continue as opportunities arise. Continue project partners monitoring of existing LID sites and providing outreach tours. Water Conservation Plan implementation will provide an opportunity to include stormwater-related elements in any presentation. DPW personnel are always available for presentations when requested by the School Department. Continue work to identify areas for LID.

01-06	Stormwater related displays in City government buildings	DPW / Chief Water Plant Operator/other departments	Casually inform the public, while in a captive setting	The City Clerk's office has continued to make an effort to promote the importance of "picking up after your dog" during this past year through the use of brochures and public information displays at key City buildings during its annual dog licensing drive. "Have a little common courtesy and clean up after your pet – it's the law - \$100 Fine" signage has been placed in parks and dog friendly areas.	These will continue in use throughout the year.
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2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 10 (Reliance on non-municipal partners indicated, if any).	Planned Activities – (until a new General Permit is issued).
02-01	Promote Riverbank Cleanups	Conservation Commission/ Cocheco River Watershed Coalition	Periodic Cleanup Days	The City of Rochester Main Street worked with the Rochester Recreation department to organize the Earth Day/Rochester Pride Day City-wide cleanup on April 22nd, 2012. Over 200 volunteers participated in the event, work included bank cleanups along the Cocheco River and along 27.2 miles of roadway.	More of the same will continue on at least a semi-annual basis between the RRA and Cocheco Watershed Coalition. The city Main Street organization to host downtown cleanup day again this year.
Revised		Dept of Recreation and Arena (RRA)			
02-02	Watershed Monitoring	Conservation Commission and Cocheco Watershed Coalition	Periodic Reviews of Watershed	Cocheco Watershed Coalition has been active in monitoring the Cocheco River and its tributaries. These efforts continued during this reporting period. City of Rochester supported these efforts by conducting the laboratory analyses of the water samples collected from the Cocheco River by this organization. The City also participated in the Cocheco Watershed Restoration Plan directed by the Cocheco Watershed Coalition.	Current efforts will continue. Development of data to find locations of emphasis for monitoring underway. Much data collected and now under evaluation. The City will continue to work with the Coalition to identify and improve areas where the quality of the river is of concern.
Revised					
02-03	Greater Involvement of Rochester Recreation and Arena (former RAYS)	RRA Neighborhood Coordinator	Greater awareness and participation among City's neighborhood groups.	RRA has been spearheading neighborhood cleanup days. Continued to be a conduit for outreach to local neighborhoods. Stormwater awareness is promoted at several events promoted by RRA throughout the year.	Continue to promote stormwater as a cause.

02-04	Downtown Riverwalk	Planning Dept. - Riverwalk Committee	Focus attention on Cocheco River in Downtown area - Downtown Enhancement	The city continued to maintain the recent improvements to the downtown riverwalk area. The Riverwalk Committee is exploring opportunities to enhance the area and bring more of the community to the riverfront.	Continue to promote a clean water front and riverwalk area. Work with the Main Street Community on a riverwalk beautification project that brings public to the riverway to observe the natural state of the river.

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 10 (Reliance on non-municipal partners indicated, if any)	Planned Activities – (until a new General Permit is issued).
03-01 Revised	Identify and map outfalls and receiving waters	Engineering Division	Map all outfalls in GIS by Spring '08.	Performed visual monitoring of outfalls around the City; this year again focusing on outfalls into and out of detention ponds that have been installed and developments that have been constructed in the last ten years.	Continue as before - Collect additional samples from outfalls for analysis in-house (at WWTP) as resources allow in preparation and practice for expected requirement in upcoming permit.
03-02 Revised	Screen outfalls for Illicit Connections	Public Works	Screen all outfalls by Spring '05. Further investigate and locate the source of those identified during the 2004 screening effort.	Fitting this effort in with other responsibilities of limited utility staffing.	Continue to use existing resources to locate and eliminate illicit connections from the stormwater conveyance system.
03-03 Revised	Review and Development Stormwater Ordinance	Public Works/City Council	Adoption of Ordinance by Fall of 2006 Adoption of new Ordinance in 2008	City Council adopted stormwater ordinance on May 6, 2008. Continued to implement the practices in procedures required by the ordinance across multiple City departments including Planning, Code Enforcement, and Public Works Departments. Have created and implemented a stormwater permit system for new development. New stormwater planning standards have also been implemented with all new project proposals. City continues to promote the use of LID practices in private developments.	Continue to implement the ordinance.

03-04	Illicit Connection Elimination Plan	Public Works Documentation	Plan Development by Summer 2006, assuming meaningful data is obtained during 03-02 effort	Was an active participant in the development of the Guidelines and Standard Operating Procedures for Illicit Discharge Detection and Elimination and Pollution Prevention/Good Housekeeping Plan for Stormwater Phase II Communities in New Hampshire as developed by the Seacoast Stormwater Coalition. This City has adopted this as its own blueprint for identifying and detecting and eliminating illicit connections.	Will continue to implement this plan within the framework of existing staffing.
Revised			Plan Development by 2008		

3a. Additions

4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 10 (Reliance on non-municipal partners indicated, if any)	Planned Activities – (until a new General Permit is issued).
04-01 Revised	Review stormwater features during land development process	Planning/Chief Planner and Public Works/City Engineer	Development of Site Review Standards	Technical staff continues to meet bi-weekly to review and discuss all new development proposals before going to Planning Board. Each proposal is scrutinized for stormwater impacts. If required, the City retains a 3rd party engineer, reporting to City Engineer, review development projects.	Continue process as before. New stormwater ordinance enacted in '08 has initiated a localized permitting program for ensuring stormwater management is emphasized during the planning and construction of new development. Local stormwater/erosion control permit system implemented.
04-02 Revised	Revise Subdivision and Site Plan Regulations	Planning/Chief Planner	Adoption of Site Plan Regulations	Revised Site Plan Regulations implemented in March 2012. The City is continuing to develop comprehensive rezoning of the entire City.	A more comprehensive approach to stormwater management has been adopted and is being implemented through the Stormwater Ordinance. Comprehensive rezoning is expected to be adopted in 2013. New regulations with a focus on LID are planned to be implemented.

04-03	Construction Monitoring of Site Development	Public Works/ Inspection Engineer	Visit each site; engage in corrective action	Engineering personnel continue to visit each site plan and subdivision at regular intervals. Stormwater management, erosion control, and adherence to construction plans and City standards are emphasized. Continue to monitor development of subdivisions with streets that will eventually be owned by the City as well as significant site developments with an emphasis on maintaining appropriate erosion controls. Inspections are routinely done and reports are prepared and forwarded to the developer. Conservation Commission continues to take an active role at reviewing developments and investigating complaints. The pace of private development has started to increase as compared to the last four years. Developers of new projects are required to pay City for inspection efforts; this gives the City the flexibility to hire outside consultants to assist with inspections in the event activity exceeds the ability of City staff to adequately monitor the pace of development.	Continue with current practices as resources permit. Continue to work with Planning Department and Conservation Commission to ensure development projects get scrutiny. The City has enforced stormwater BMPs at some of the largest, incomplete residential subdivisions with positive results. Continue to enforce.
Revised					
04-04	Public Information / Pamphlet for Site Developers	Planning/ Conservation Commission	Pamphlet for site developers	Continued the practices devised in previous years. Holding preconstruction meetings for all significant projects which are attended by representatives of the owner, contractor, DPW, Planning, Economic Development, and Code Enforcement Departments. Stormwater management is always a topic on the agenda.	Continue this practice.

Revised			Significant projects are required to have a preconstruction meeting with City staff to outline requirements		
04-05	Encourage Innovative and Low-impact Development Practices	Planning/ Conservation/ Commission/ DPW	Encourage and promote low-impact development practices during site and subdivision review	Technical staff continues to meet bi-weekly to review and discuss all new development proposals before going to Planning Board. Each proposal is scrutinized for stormwater impacts, LID Strategies are encouraged.	Continue this practice, continue to monitor the construction and then performance of recently approved projects and encourage more where feasible.

5. Post-Construction Stormwater Management in New Development and Redevelopment

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 10 (Reliance on non-municipal partners indicated, if any)	Planned Activities – (until a new General Permit is issued).
05-01 Revised	Establish Drainage Maintenance Agreement Program	Planning/Public Works	Adopt as part of planning process	City has established a program as part of the planning process, which requires owners of site plans with stormwater conveyance, detention systems, infiltration basins, and treatment practices to maintain these systems so they work as designed. Failure to maintain gives City the right to access the property to maintain them and recover the costs from the owner. Continued this practice.	Continue with the drainage maintenance agreement process.
05-02 Revised	Revise Regulations for Stormwater Management	Planning/Public Works	Adoption of Regulations	A Stormwater Management Permit system was implemented in the summer 2008 in response to the adoption of the ordinance. Have coordinated with Planning and Code Enforcement Departments to establish process whereby Building Permit will not be issued unless Stormwater Permit obtained where required.	Implementation of ordinance continuing as before.

05-03	Introducing Low-Impact Development Practices to Willow Brook Watershed	Cochecho River Watershed Coalition/City of Rochester DPW/UNH Stormwater Center	Complete Grant objectives	Cochecho River Watershed Coalition and City applied for and received a Section 319 Grant from NHDES to investigate the Willow Brook (tributary to Cochecho River) watershed to identify extent of impervious cover in the watershed and to look for opportunities to reduce areas of impervious cover through the implementation of LID practices. This publication was completed in 2011.	Under the Willow Brook II grant project, the City is working with Laura Clark from the Cochecho River Watershed Coalition to find appropriate locations for implementation of LID practices in the city.
05-04				Pine Street has been rebuilt to include an improved drainage system consisting of relining existing drainage piping to prevent groundwater infiltration into the storm water system. Six old shallow catch basins were replaced with new deep sump types. Brock St. project that is currently under construction includes over 60 deep sump catch basins and a vortech unit.	The City is currently at the beginning planning stages of a reconstruction project on a separate section of Salmon Falls Road. Currently the plan includes improvements to the drainage system.
05-05					

5a. Additions

05-06					City to take over completion of Channing's Lane private subdivision project. Work to include properly completing drainage as designed.
05-07					\$18,800 Weare Street and \$70,000 Plante Street outfall improvements are planned for the summer of 2013.

6. Pollution Prevention and Good Housekeeping in Municipal Operations

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 10 (Reliance on non-municipal partners indicated, if any)	Planned Activities -- (until a new General Permit is issued).
06-01	Catch Basin Cleaning Program	Public Works/Highway Lead or Foreman	Establish Priorities	City uses VAC-Con truck to clean catch basins and manholes. Try to get to each of them every two years. Prioritized to the downtown area where they are cleaned more frequently. Staffing levels do not allow a dedicated crew to do this every day. This practice continued as staffing allowed.	Continue the same.
Revised		Public Works/Highway/Fleet Supervisor		City maintains Vortech units on a recurring schedule in addition to upstream catch basins in (May and November).	
06-02	Street Sweeping Year Road	Public Works/Highway Lead or Foreman	Install Heating System in Garage for Winter Sweeper Storage	City has two street sweepers. All winter sand is removed from the streets and sidewalks beginning in April and is an annual priority until complete. Throughout the spring, summer, and fall months both sweepers sweep and remove debris throughout the City. Downtown areas emphasized. Winter sand cannot be removed in winter because there is no heated place to store sweepers, so they must be winterized to prevent freeze-ups.	Continue the same. In order to have street sweeping capabilities during the winter months, two garage bays will need to have heat installed or new heated garage bays installed. Will continue to use less sand to treat roads during winter snow removal as long as motorist safety is not compromised. Proposal for new public works building has been delayed to at least 2015 due to economy. In the meantime, continue to investigate options for DPW facility.
Revised		Public Works/Highway/Fleet Supervisor			

06-03	Training of DPW Personnel			Continued with training new personnel on importance of limiting application of salt and sand to only what is necessary to ensure public safety during winter operations. A new highway foreman joined the staff this year; he has recently completed a Green SnowPro certification course offered by the UNH Technology Transfer Center which focused on efficient and environmentally friendly winter maintenance practices.	Will continue to participate in regional training opportunities as they become available.
Revised					

6a. Additions

7. BMPs for Meeting Total Maximum Daily Load (TMDL) Waste Load Allocations (WLA) <<if applicable>>

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 10 (Reliance on non-municipal partners indicated, if any)	Planned Activities – (until a new General Permit is issued).
07-01	N/A			WLA Assessment – Waste load allocation for the Cochecho River of 4.5 mg/L of nitrogen was proposed by the New Hampshire Department of Environmental Services in March 2009.	City is currently evaluating the impact of this proposal. It has not been adopted as of this point. City plans to include BMPs to meet that requirement as part of the Stormwater Management Plan that will be required for the next General Permit.
Revised					
Revised					
Revised					
Revised					

7a. Additions

Part IV. Summary of Information Collected and Analyzed

Part V. Program Outputs & Accomplishments (OPTIONAL)

Programmatic

Stormwater management position created/staffed	(y/n)	No
Annual program budget/expenditures	(\$)	Have approx. \$80K of remaining funds in a CIP item that will be spent to develop Stormwater Management Plan for the new permit. An additional \$10,000 is appropriated for HHW annually which is shared by NHDES and 8 surrounding communities

Education, Involvement, and Training

Estimated number of residents reached by education program(s)	(# or %)	Est. 1,000+
Stormwater management committee established	(y/n)	No
Stream teams established or supported – Management Committees have been set up for the Cochecho and Isinglass River Watersheds	(# or y/n)	Yes – Cochecho and Isinglass Rivers
Shoreline clean-up participation or quantity of shoreline miles cleaned	(y/n or mi.)	Yes – 4,000 ft
Household Hazardous Waste Collection Days		
▪ Days sponsored	(#)	1
▪ Community participation	(%)	<1 percent
▪ Material collected	(tons or gal)	
School curricula implemented	(y/n)	No

Legal/Regulatory

Regulatory Mechanism Status (indicate with "X")	In Place Prior to Phase II	Under Review	Drafted	Adopted
▪ Illicit Discharge Detection & Elimination				X
▪ Erosion & Sediment Control				X
▪ Post-Development Stormwater Management				X
Accompanying Regulation Status (indicate with "X")				
▪ Illicit Discharge Detection & Elimination				
▪ Erosion & Sediment Control				X
▪ Post-Development Stormwater Management				X

Mapping and Illicit Discharges

Outfall mapping complete	(%)	90
Estimated or actual number of outfalls	(#)	438
System-Wide mapping complete	(%)	90 – w/in urbanized areas
Mapping method(s)		
▪ Paper/Mylar	(%)	50
▪ CADD	(%)	
▪ GIS	(%)	90
Outfalls inspected/screened	(# or %)	95 percent of those identified
Illicit discharges identified	(#)	0
Illicit connections removed	(#) (est. gpd)	0
% of population on sewer	(%)	Approx 40
% of population on septic systems	(%)	Approx 60

Construction

Number of construction starts (>1-acre)	(#)	
Estimated percentage of construction starts adequately regulated for erosion and sediment control	(%)	100 percent
Site inspections completed	(# or %)	100 percent
Tickets/Stop work orders issued	(# or %)	0
Fines collected	(# and \$)	0
Complaints/concerns received from public	(#)	minimal

Post-Development Stormwater Management

Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control	(%)	
Site inspections completed	(# or %)	100 percent immediately following construction
Estimated volume of stormwater recharged	(gpy)	Undetermined

Operations and Maintenance

Average frequency of catch basin cleaning (non-commercial/non-arterial streets)	(times/yr)	Less than 1
Average frequency of catch basin cleaning (commercial/arterial or other critical streets)	(times/yr)	1-2
Total number of structures cleaned	(#)	More than 250
Storm drain cleaned	(LF or mi.)	Not recorded
Qty. of screenings/debris removed from storm sewer infrastructure	(lbs. or tons)	Landfill
Disposal or use of sweepings (landfill, POTW, compost, recycle for sand, beneficial use, etc.)		0 - Landfill Host Community
Cost of screenings disposal	(\$)	

Average frequency of street sweeping (non-commercial/non-arterial streets)	(times/yr)	1
Average frequency of street sweeping (commercial/arterial or other critical streets)	(times/yr)	6
Qty. of sand/debris collected by sweeping	(lbs. or tons)	
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.)	(location)	Landfill
Cost of sweepings disposal	(\$)	0 – Landfill Host Community
Vacuum street sweepers purchased/leased	(#)	Own 2, 0 this year
Vacuum street sweepers specified in contracts	(y/n)	Sometimes on municipally managed projects in urban areas

Reduction in application on public land of: (“N/A” = never used; “100%” = elimination)		
▪ Fertilizers	(lbs. or %)	No meaningful reduction
▪ Herbicides	(lbs. or %)	No meaningful reduction
▪ Pesticides	(lbs. or %)	No meaningful reduction

Anti-/De-Icing products and ratios	% NaCl	Varies according to storm
	% CaCl ₂	
	% MgCl ₂	
	% CMA	
	% Kac	Varies according to storm
	% KCl	
	% Sand	

Pre-wetting techniques utilized	(y/n)	No
Manual control spreaders used	(y/n)	Yes
Automatic or Zero-velocity spreaders used	(y/n)	No
Estimated net reduction in typical year salt application	(lbs. or %)	Not meaningful
Salt pile(s) covered in storage shed(s)	(y/n)	Yes
Storage shed(s) in design or under construction	(y/n)	New 5,040-square-foot salt shed completed 11/08