

.Municipality/Organization: Town of Auburn

EPA NPDES Permit Number: MAR041088

MassDEP Transmittal Number: W041071

**Annual Report Number
& Reporting Period:**

Year 15
April 1, 2017 – March 31, 2018

NPDES PII Small MS4 General Permit Annual Report (Due: May 1, 2018)

Part I. General Information

Contact Person: William A. Coyle, P.E.

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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:

W. Coyle

Printed Name:

William A. Coyle

Title:

DIRECTOR OF PUBLIC WORKS

Date:

5/1/18

Part II. Self-Assessment

The Town of Auburn has completed the required assessment and determined that our municipality is in compliance with all current permit conditions. The Town has continued its commitment to addressing stormwater needs through consistent funding of these activities through the general fund. Initiated in FY 2011, the supplemental stormwater funding level of approximately \$300,000 annually was maintained in FY 2018 and is currently being sought in the FY 2019 budget.

The Town completed stormwater and road drainage improvements along the following roads:

- Regis Drive and Briarcliff Drive: Installation of approximately 300 feet of perforated drainage pipe
- Prospect Street: Installation of approximately 600 feet of drainage pipe
- Sibley Street: Replacement of a 60-foot 30" diameter culvert in addition to installation of 150 feet of perforated drainage pipe
- Linda Avenue and Melba Avenue: Installation/replacement of 6 catch basins with sumps along with the associated pipe, to alleviate flooding
- Replacement and/or installation of over 500 feet of drainage pipe along Sibley Street, Linda Avenue, Melba Avenue, Sharon Avenue and Dartmouth Drive

In addition, the Highway Division installed approximately 800 feet of perforated drainage pipe at the Pakachoag Golf Course to alleviate flooding.

As part of the Town's ongoing efforts towards stormwater system maintenance and improved water quality, the DPW continued their implementation of a revised de-icing program that significantly reduces the amount of sand placed on the Town's roads. As part of this program, the Town purchases spreader trucks, with an automatic spreader system when replacing older vehicles. As a result, seven out of nine of the Town's spreader trucks have the automatic spreader system. All DPW spreader trucks are calibrated at the start of the winter season.

In an effort to minimize impervious areas, the Town has revised its Subdivision Regulations to decrease the width of roads from 30 feet (all roads) to 28 feet (major roads) and 24 feet (minor roads). This change will result in a reduction of future impervious areas by 7% and 20%, respectively. In addition, the Engineering Division evaluates the widths of existing streets prior to reconstruction projects to determine whether the road should be narrowed in an effort to increase safety and reduce impervious area.

The Town was designated a Green Community in 2012.

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 15 (Reliance on non-municipal partners indicated, if any)	Planned Activities
1A	Mail Educational Information to Businesses and Residents	Planning Dept., DPW, and Auburn Water District	Number of articles and copies of materials.	Educational material was previously included with water bills, through an ongoing cooperative effort with the Auburn Water District.	Auburn Water District continues to have the capability to include stormwater educational materials as water bill inserts, to supplement information posted on the Town's updated website.
Revised				The purchase of rain barrels at cost is available to Town residents. Information was posted in the past on the Town website as well as the quarterly newsletter.	
1B	Develop Stormwater Section of Town Website	Planning Dept., DPW, and MIS Dept.	Measure number of hits per quarter.	Town website was revamped in 2011, with stormwater information under the Town Engineer's section. Educational pamphlets were posted on the website.	Continue to provide updated information for the stormwater section of the Town's website, in conjunction with the Central Massachusetts Regional Stormwater Coalition.
Revised				An educational video regarding stormwater, created by WPI students in conjunction with CMRSWC, was added.	
1C	Develop and broadcast a stormwater presentation on local cable network	Stormwater Committee and DPW	Cable TV tapes of shows.	Update on stormwater issues was made periodically at Board of Selectmen meetings, which were broadcast on local cable.	Consider broadcast of available educational materials, to be coordinated through the Central Massachusetts Regional Stormwater Coalition.
Revised					
1D	Publish Quarterly Article in Local Newspaper	Planning Dept., Health Dept., DPW and Water District	Copies of Articles.	Update on stormwater issues was provided in the Auburn Account, the Town's Quarterly Municipal Newsletter (available through Town website).	Continue to provide quarterly update on stormwater issues and progress on Stormwater Master Plan in the Auburn Account.
Revised					

1a. No Additions At This Time

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 15 (Reliance on non-municipal partners indicated, if any)	Planned Activities
2A	Conduct River Stream, and Pond Cleanups	Planning Dept., DPW and Conservation Commission	Cleaner streams as documented by before and after photographs	Continued cooperative efforts with Auburn Water District, who performed winter “drawdown” of Dark Brook Reservoir and Lower Stoneville Pond for weed control (and assoc TMDL reduction). Continued annual chemical treatment for aquatic weed control at Eddy Pond, Pondville Pond, and Leesville Pond. The Town continues to adjust the deweeding program to include any changes in ecosystem as recommended by environmental consultant	Continue to foster cooperation with the Auburn Water District for cleanup of the non-Town-owned ponds. Continue aquatic weed control for Town ponds, including chemical treatment as appropriate.
Revised					
2B	Establish a Classroom Education Program	Planning Dept., DPW, and Conservation Commission	The classroom education program will be implemented in the next permit cycle.	Town staff has approached the School Superintendent and Principals of two of the elementary schools regarding a stormwater curriculum in the past.	Work with schools and Boy/Girl Scout troops to establish implementation plan/schedule. Use Enviroscope table for classroom education, available through the Central Massachusetts Regional Stormwater Coalition.
Revised				The Civil Engineer attended a session of the Westford Public School’s “Fall Living Lab” to observe their stormwater curriculum.	
2C	Help establish Volunteer Stormwater Organization	Stormwater Committee	Document quarterly meetings.	Cooperative efforts ongoing with pond advocacy groups, such as the Leesville Pond Watershed and Neighborhood	Continue cooperative efforts with Town pond advocacy groups and plan projects/activities that can be

Revised				Association.	completed by groups. Continue Town participation in the Upper Blackstone Coalition, as regional advocacy group. Continue participation in Central Massachusetts Regional Stormwater Coalition, on collaborative education programs, including use of field water quality test kits available through this program.
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2a. No Additions At This Time

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 15 (Reliance on non-municipal partners indicated, if any)	Planned Activities
3A	Develop Town Storm Drain Outfall Map	DPW	All outfalls mapped by year 5.	A GIS base map and database for the Auburn storm drain system was created in previous permit years. Existing GIS base map includes outfall information and receiving water information. Existing GIS base map and database were continually updated based upon system maintenance and improvement activities (i.e. catch basin repairs).	Continue to work with MassDOT and the Turnpike Authority to obtain complete drainage information for highways owned/maintained by others (ie. I90, I-290, I-395). Continue to enhance “connectivity” between storm drain structures, based upon field observations during routine maintenance.
Revised					
3B	Develop Illicit Discharge Prohibition Ordinance	Planning Dept., DPW, and Health Dept.	Obtain authorization to control inputs to the municipal drainage system. Bylaw at Town meeting in next permit cycle.	Bylaw passed in Nov 2009 entitled “Stormwater Management, Erosion Control and Illicit Discharge Bylaw” which prohibits illicit discharges. The Town is planning revisions to the Town Bylaws which include updates to the Stormwater Management, Erosion Control and Illicit Discharge Bylaw. Draft regulations for implementation of bylaw were revised in 2013	Finalize specific regulation for implementation of bylaw
Revised					
3C	Develop Illicit Discharge Detection and Elimination Plan and Implement Activities	Planning Dept. and DPW	All outfalls examined by year 4. Sources traced and conclusion documented within one year of discovery	Illicit discharge detection plan completed. Outfalls identified have been screened for illicit discharges.	No further activity planned, beyond ongoing inspections and response to new illicit discharges identified.
Revised					
3D	Incorporate Information on Illicit Discharges into Public Education and Outreach Topics	Planning Dept. and DPW	Copies of materials	Illicit discharge education material included on updated Town website. Curb markers, highlighting connectivity to waterbody, purchased through the stormwater program were installed by an Eagle Scout Candidate and his team.	Continue public education on hazards associated with illegal discharges and improper disposal of waste.
Revised					

3E	Hold Annual Household Hazardous Waste Collections	Board of Health	Documented quantity of wastes collected annually.	Most recently, the Board of Health hosted a Household Hazardous Waste Collection Day on May 7, 2016 (Permit Year 14). Household Hazardous Waste Collection Days are held biannually. Information on disposal of special waste is continuously posted on the Town's website.	The Board of Health intends will hold a Household Hazardous Waste Collection Day on July 28, 2018.
Revised	<i>Hold Biannual Household Hazardous Waste Collections</i>		Documented quantity of wastes collected biannually.		
3F	Identify Department to Take Stormwater Calls	Planning Dept. and DPW	Log of complaints and actions taken.	Stormwater related calls are tracked by the Department of Public Works, with open communication established throughout the departments to ensure stormwater complaints are properly identified and resolved.	Protocol for addressing and reporting dumping or other inappropriate inputs into the MS4 will be available online, as part of enhancing the stormwater section of the website. Response to stormwater calls is evaluated as calls come in and directed to Engineering or Highway Divisions as appropriate.
Revised					

3a. No Additions At This Time

4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 15 (Reliance on non-municipal partners indicated, if any)	Planned Activities
4A	Develop Erosion Control Regulations	DPW and Selectmen	Bylaw at Town meeting in next permit cycle.	Bylaw passed in Nov 2009 entitled “Stormwater Management, Erosion Control and Illicit Discharge Bylaw” which prohibits illicit discharges. The Town has adopted revised Town Bylaws which include updates to the Stormwater Management, Erosions Control and Illicit Discharge Bylaw. Draft regulations for implementation of bylaw were revised in 2013.	Finalize specific regulation for implementation of bylaw which will include requirement listed in the new NPDES permit
Revised					
4B	Develop Guidance for Erosion Controls	Planning Dept., DPW, and Consultant	Inspection checklist and documented inspections.	DPW Director/Town Engineer has coordinated stormwater management, enforcement and construction site/erosion control inspection. DPW Director/Town Engineer conducted inspections of erosion controls and construction sites.	Finalize guidance outlining specific erosion control requirements desired by Auburn. Finalize inspection checklist and set up a tracking program. Continue ongoing inspections of erosion controls.
Revised					
4C	Identify Department to Take Stormwater Calls	Planning Dept. and DPW	Log of complaints and actions taken.	Stormwater related calls are tracked by DPW Director/Town Engineer, with open communication established throughout departments to ensure stormwater complaints are properly identified and resolved. Public education has been successful, with public reporting of inappropriate discharges.	Protocol for addressing and reporting dumping or other inappropriate discharges into the MS4 will be available online, as part of enhancing the stormwater section of the website.
Revised					

4a. No Additions At This Time

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 15 (Reliance on non-municipal partners indicated, if any)	Planned Activities
5A	Develop BMP Regulation	DPW and Selectmen	Bylaw at Town meeting in next permit cycle.	Bylaw passed in Nov 2009 entitled “Stormwater Management, Erosion Control and Illicit Discharge Bylaw” which prohibits illicit discharges. The Town has adopted revised Bylaws which include updates to the Stormwater Management, Erosions Control and Illicit Discharge Bylaw. Draft regulations for implementation of bylaw were revised in 2013.	Finalize specific regulation for implementation of bylaw
Revised					
5B	Develop BMP Design and Standards	Planning Dept., DPW, and Consultant	Copy of design standards.	Specific BMP requirements desired by Auburn are included in the Stormwater Bylaw and draft regulations.	Finalize design standards for developers to follow including design performance criteria, BMP examples, and maintenance requirements.
Revised				DPW and Department of Development and Inspectional Services require oil/water separators and proprietary stormwater separators on projects during the review process. In addition, the use of rain gardens and other low impact BMP's is encouraged.	
5C	Develop and Implement Inspection Program	Planning Dept., DPW, and Consultant	Retain copies of maintenance reports received annually, plus records of inspections completed and results	DPW Director/Town Engineer performed inspections.	Setup a maintenance tracking program that requires annual maintenance reports by owner. Conduct post-construction stormwater control inspections for sites without an annual report. Require operation and maintenance plan of developers.
Revised					
5D	Amend Zoning Bylaws to Regulate Impervious Areas	Planning Dept., DPW, and Zoning Board of Appeals	The new zoning bylaw will be implemented in the next permit cycle.	The Aquifer and Watershed Protection Overlay District boundaries were updated in 2008 (Permit Year 6). Current bylaw requires recharging via	Consider potential enhancements to the Aquifer and Watershed Protection Overlay district section of the Zoning Bylaw with focus on

Revised				underground chambers with pretreatment to meet EPA and MassDEP stormwater quality standards.	reducing impervious area.
5E	Implement Tree Replacement Program	Tree Warden	Implement Tree Replacement Program in the next permit cycle	Trees were planted within the right-of-way of newly developed and/or reconstructed roadways. In previous years the Town coordinated with National Grid to plant trees along Perry Place and Rice Road, as part of their screening program.	Continue tree preservation efforts, as appropriate.
Revised					

5a. No Additional Post Construction Runoff Control BMP's

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 15 (Reliance on non-municipal partners indicated, if any)	Planned Activities
6A	Sweep Streets in Town	DPW	Priority plan of sweeping. Volume of sweepings collected.	In addition to annual sweeping in the spring, streets and sidewalks were swept throughout the winter season, weather permitting, in order to prevent sand from entering the stormwater system. Reduced use of sand, as part of previously revised de-icing program, significantly reduced amount of sand on roadways compared to previous years.	Continue implementation of revised de-icing program with overall reduction in amount of sand applied to roadways. Continue annual sweeping of roadways as early in the year as feasible.
Revised					
6B	Clean Catch Basins	DPW	Records of catch basins cleaned.	Over 50 catch basins were cleaned this year. Approximately 80 cubic yards of material was removed from catch basins. Approximately 25 catch basins were rebuilt to restore their protective function/capacity. One full-time stormwater employee continued to be funded under the DPW to address stormwater system maintenance activities. Civil Engineer continued update of GIS to reflect system maintenance.	Continue aggressive catch basin cleaning activities, with improvement and/or rehabilitation as necessary. Record sediment collected per catch basin each cleaning.
Revised					
6C	Calibrate Salt Spreading Equipment	DPW	Prevent over-application of salt as shown with calibration records.	The DPW (Highway Division) continued to implement a revised de-icing program that significantly reduces the amount of sand, while maintaining the amount of salt use. A total of 7 spreader trucks with automatic spreader system are currently in use by the Department. All salt/sand trucks have been calibrated to distribute 400 lbs of salt treated with magnesium chloride per lane mile. Sand is only used during icing conditions and in extenuating circumstances.	Continue implementation of revised de-icing program with overall goal of reduced sand use. Continue to replace manual-control spreader trucks with automatic or zero-velocity spreaders.
Revised					

6D	Continue Practice of Low Salt Ratio Application	DPW	Use low salt ration throughout town.	The DPW (Highway Division) continued to implement a revised de-icing program that significantly reduces the amount of sand, while maintaining the amount of salt use. A total of 7 spreader trucks with an automatic spreader system are currently in use by the Department. All salt/sand trucks have been calibrated to distribute 400 lbs of salt treated with magnesium chloride per lane mile. Sand is only used during icing conditions and in extenuating circumstances.	Continue implementation of revised de-icing program with overall goal of reduced sand use.
Revised					Continue to replace manual-control spreader trucks with automatic or zero-velocity spreaders.
6E	Develop an Inspection and Maintenance Plan	DPW	Records of inspections and maintenance	O&M plan developed for stormwater system, including street sweeping, catch basin maintenance/inspection and outfall maintenance/inspection. Detention ponds were inspected and inventoried, with development of BMP maintenance plan.	Perform inspection and maintenance, modifying frequency as necessary. Implement a written yearly BMP maintenance schedule.
Revised					
6F	Ensure Water Quality Improvements are Considered for Flood Projects	DPW	Document flood control projects.	Work previously completed at Eddy Pond dam including reconstruction to facilitate drawdown.	Continue to identify opportunities for implementation of Water Quality Improvements, as part of scheduled infrastructure replacement and/or rehabilitation projects.
Revised				Stormwater system projects used deep sump catch basins and specialized hoods to improve performance. The Town's road reconstruction project included the installation of deep sump catch basins.	
6G	Discontinue Outdoor Vehicle Washing	All Town Departments	Written policy	Discontinued outdoor vehicle washing at the Highway garage. Verified that all garage drains attached to a gas trap which discharges to the sanitary sewer system were cleaned once per year	Ongoing inspection/cleaning of gas trap and adherence to policy banning outdoor vehicle washing.
Revised					

6H	Implement BMP's at the Highway Garage to Prevent Sedimentation to the Adjacent Waterway from Site Runoff and Road Material Storage	DPW	Before and after photographs. Records of sweeping and catch basin cleaning.	The sand pile and raw material piles remain contained to prevent release to the adjacent stream. The yard and catch basins were cleaned as required. Previously, the Salt Storage Shed was rebuilt to further protect waterways from sedimentation and salt.	Sweep the yard and clean catch basins frequently. Document sweeping and catch basin cleaning.
Revised				Approximately 100 tires were removed from the DPW yard this year.	
6I	Cover Junk Equipmen and Vehicles	All Town Departments	Cover all junk equipment and vehicles.	Surplus scrap metal and junked vehicles are removed from the Highway Garage yard regularly.	Vehicles to be provided with covers and drip pans, on an ongoing basis. Continue to remove and recycle scrap metal and junked vehicles from the DPW yard.
Revised					
6J	Dispose of Hazardous Waste Drums	All Town Departments	Keep a record of drum disposal	All drums are stored indoors until they can be disposed of. All waste drums were removed/disposed of properly.	Continue practice of storing drums indoors for prompt disposal.
Revised					
6K	Inspect and Cover Dumpsters	DPW	Record Inspections	Dumpsters have been inspected and covers maintained in a closed position.	Continue inspection and maintenance of dumpsters. Inspect dumpsters yearly to ensure there are no leaks.
Revised					
6L	Document Protocols for Municipal Operations	DPW	Copies of policies.	Policies are available for review by Town employees, such as the new vehicle washing policy banning outdoor washing of vehicles.	Develop written policies for all municipal operations. Review policies with all employees.
Revised					
6M	Conduct Town Employee Stormwater Training	DPW	Attendance sheet and copy of program.	In previous years, the Fire Department was trained for spill containment, Highway Department was trained on	Conduct training of DPW employees using modules being developed through the Central Massachusetts

Revised				stormwater, DPW employees attended training on the importance of reduction of materials being applied on the Town's roads, and Civil Engineer received training and became a Certified Professional in Erosion and Sediment Control as well as a Certified Erosion, Sediment, and Storm Water Inspector. On October 25, 2017 the Highway Division's Working Foreman attended a stormwater BMP tour hosted by the Central Massachusetts Regional Stormwater Coalition	Regional Stormwater Coalition.
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6a. No Additional Good Housekeeping BMP's

7. BMPs for Meeting Total Maximum Daily Load (TMDL) Waste Load Allocations (WLA)

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 15 (Reliance on non-municipal partners indicated, if any)	Planned Activities
7A	Develop a Water Quality Strategy for 303d Waters	DPW and Consultant	Summary of existing pollution prevention efforts, future needs, and responsible parties. Copy of Surface Water Quality Strategic Plan	Previously, stormwater master Plan identified conceptual BMP's that may be implemented to address water quality issues.	Foster cooperation with established and newly formed advocacy groups, such as the Leesville Pond Watershed and Neighborhood Assoc. and the Eddy Pond Watershed Assoc.
Revised					
7B	Implement BMP's from Water Quality Strategy	DPW and appropriate Departments	Photographs, logs and BMP descriptions for completed efforts and water quality improvements.	Continued annual chemical treatment for aquatic weed control at Eddy Pond, Pondville Pond, and Leesville Pond. The Town continues to adjust the dewatering program to include any changes in ecosystem as recommended by environmental consultant.	Continue implementation of aquatic weed control for Town ponds, including chemical treatment as appropriate.
Revised					

7a. No Additional BMP's At This Time For Compliance with TMDL's

7b. WLA Assessment

TMDL studies have been completed for Auburn Pond, Eddy Pond, Leesville Pond, Pondville Pond, and Stoneville Pond. The BMP's in Minimum Measures 1 through 6 are being applied first. These include measures recommended by the TMDLs such as public education, fostering volunteer watershed groups, street sweeping, catch basin cleaning and mapping outfalls. The Town has developed a Stormwater Management Master Plan for its stormwater system. This plan includes recommended BMP's (conceptual locations and designs) to address the identified TMDL issues.

Part IV. Summary of Information Collected and Analyzed

GIS database records, relative to system maintenance and improvement activities (updated through Permit Year 13).

Stormwater Management Master Plan (updated March 2010).

Part V. Program Outputs & Accomplishments (OPTIONAL)

(Since beginning of permit coverage unless specified otherwise by a **, which indicates response is for period covering April 1, 2015 through March 31, 2016)

Programmatic

	(Preferred Units)	Response
Stormwater management position created/staffed	(y/n)	Yes (see below)
Land Use Enforcement Officer		Stormwater responsibilities handled by Town Engineer.
Civil Engineer		Hours/budget maintained
DPW Employee (full-time stormwater focus)		Staffed since 2011
Annual program budget/expenditures **	(\$)	\$300, 000 (supplement)
		Approved for FY 2018 with similar funding level sought for FY 2019
Funding mechanism(s) (General Fund, Enterprise, Utility, etc)		General Fund

Education, Involvement, and Training

Estimated number of property owners reached by education program(s) (As determined by Town Website)	(# or %)	Approx. 80%
Stormwater management committee established	(y/n)	Yes
Stream teams established or supported (cooperative efforts initiated with pond/watershed advocacy groups)	(# or y/n)	Yes
Shoreline clean-up participation or quantity of shoreline miles cleaned **	(y/n or mi.)	
Shoreline cleaned since beginning of permit coverage	(mi.)	
Household Hazardous Waste Collection Days		

▪ days sponsored **	(#)	
▪ community participation **	(# or %)	
▪ material collected **	(tons)	
▪ material collected **	(cu. yds.)	
School curricula implemented	(y/n)	Initiated

Legal/Regulatory

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

Mapping and Illicit Discharges

	(Preferred Units)	Response
Outfall mapping complete	(%)	100%
Estimated or actual number of outfalls	(#)	329
System-Wide mapping complete (complete storm sewer infrastructure)	(%)	97%
Mapping method(s)		
▪ Paper/Mylar	(%)	
▪ CADD	(%)	
▪ GIS	(%)	100%
Outfalls inspected/screened **	(# or %)	100%
Illicit discharges identified **	(#)	0
Illicit discharges identified (Since beginning of permit coverage)	(#)	0
Illicit connections removed **	(#); and (est. gpd)	0
Illicit connections removed (Since beginning of permit coverage)	(#); and (est. gpd)	
% of population on sewer	(%)	85%
% of population on septic systems	(%)	15%

Construction

	(Preferred Units)	Response
Number of construction starts (>1-acre) **	(#)	3
Estimated percentage of construction starts adequately regulated for erosion and sediment control **	(%)	100%
Site inspections completed **	(# or %)	65%
Tickets/Stop work orders issued **	(# or %)	0
Fines collected **	(# and \$)	\$0
Complaints/concerns received from public **	(#)	0

Post-Development Stormwater Management

Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control	(%)	
Site inspections (for proper BMP installation & operation) completed **	(# or %)	
BMP maintenance required through covenants, escrow, deed restrictions, etc.	(y/n)	
Low-impact development (LID) practices permitted and encouraged	(y/n)	

Operations and Maintenance

Average frequency of catch basin cleaning (non-commercial/non-arterial streets) **	(times/yr)	
Average frequency of catch basin cleaning (commercial/arterial or other critical streets) **	(times/yr)	
Qty of structures cleaned **	(#)	50
Qty. of storm drain cleaned **	(%, LF or mi.)	
Qty. of screenings/debris removed from storm sewer infrastructure **	(lbs. or tons)	80cy
Disposal or use of screenings (landfill, POTW, compost, beneficial use, etc.) **	(location)	
Basin Cleaning Costs		
• Annual budget/expenditure (labor & equipment)**	(\$)	

• Hourly or per basin contract rate **	(\$/hr or \$ per basin)	
• Disposal cost**	(\$)	
Cleaning Equipment		
• Clam shell truck(s) owned/leased	(#)	1
• Vacuum truck(s) owned/leased	(#)	1
• Vacuum trucks specified in contracts	(y/n)	
• % Structures cleaned with clam shells **	(%)	
• % Structures cleaned with vector **	(%)	

	(Preferred Units)	Response
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)	1
Qty. of sand/debris collected by sweeping **	(lbs. or tons)	200 cy
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.) **	(location)	
Annual Sweeping Costs		
• Annual budget/expenditure (labor & equipment)**	(\$)	
• Hourly or lane mile contract rate **	(\$/hr. or ln mi.)	
• Disposal cost**	(\$)	
Sweeping Equipment		
• Rotary brush street sweepers owned/leased	(#)	3 owned
• Vacuum street sweepers owned/leased	(#)	
• Vacuum street sweepers specified in contracts	(y/n)	
• % Roads swept with rotary brush sweepers **	%	100%
• % Roads swept with vacuum sweepers **	%	

Reduction (since beginning of permit coverage) in application on public land of: ("N/A" = never used; "100%" = elimination)		
▪ Fertilizers	(lbs. or %)	
▪ Herbicides	(lbs. or %)	
▪ Pesticides	(lbs. or %)	

Integrated Pest Management (IPM) Practices Implemented	(y/n)	
		(Preferred Units) Response
Average Ratio of Anti-/De-Icing products used **	% NaCl % CaCl ₂ % MgCl ₂ % CMA % Kac % KCl % Sand	See Note
NOTE: Town implemented a revised de-icing program in 2011, using an EPA endorsed pre-treated salt. As part of the program, all salt/sand trucks have been calibrated to distribute 350 lbs of treated salt per lane mile. This is a drastic change from previous years where the ration of salt to sand has been 3 parts sand and 1 part salt. The use of sand has been minimized, and is only used during icing conditions.		
Pre-wetting techniques utilized **	(y/n or %)	No
Manual control spreaders used **	(y/n or %)	22%
Zero-velocity spreaders used **	(y/n or %)	78%
Estimated net reduction or increase in typical year salt/chemical application rate	(±lbs/ln mi. or %)	
Estimated net reduction or increase in typical year sand application rate **	(±lbs/ln mi. or %)	
% of salt/chemical pile(s) covered in storage shed(s)	(%)	100%
Storage shed(s) in design or under construction	(y/n or #)	
100% of salt/chemical pile(s) covered in storage shed(s) by May 2008	(y/n)	

Water Supply Protection

Storm water outfalls to public water supplies eliminated or relocated	# or y/n	
Installed or planned treatment BMPs for public drinking water supplies and their protection areas	# or y/n	
Treatment units induce infiltration within 500-feet of a wellhead protection area	# or y/n	