Town of Walpole
Commonwealth of Massachusetts

Town Administrator
Michael E. Boynton

TOWN HALL
135 School Street
Walpole, MA 02081
Phone (508) 660-7289
Fax (508) 660-7303
Email: Mboynton@th.walpole.ma.us.

05

April 22, 2005

U. S. Environmental Protection Agency
Water Technical Unit
P.O. Box 8127
Boston, MA 02114

Re: NPDES Stormwater General Permit Notice of Intent for Discharges from Small Municipal Separate Storm Sewer Systems (MS4s) Town of Walpole, MA

To Whom It May Concern:

Enclosed for your records is the NPDES Stormwater General Permit Annual Report for the Town of Walpole, MA. The Annual Report has simultaneously been filed with Massachusetts DEP.

If you have any questions or require any additional information, please do not hesitate to call me at 508-660-7289 or our Town Engineer, Margaret Walker, at (508) 660-7213

Sincerely,

Town of Walpole, Massachusetts

Michael E Boynton

Michael Boynton
Town Administrator

cc: Massachusetts Department of Environmental Protection, Worcester Office
Rebecca Balke, Comprehensive Environmental Inc.
File

Town of Walpole
Commonwealth of Massachusetts

Town Administrator
Michael E. Boynton

TOWN HALL
135 School Street
Walpole, MA 02081
Phone (508) 660-7289
Fax (508) 660-7303
Email: Mboynton@th.walpole.ma.us.

April 22, 2005

Massachusetts Department of Environmental Protection
Division of Watershed Management
627 Main Street
Worcester, MA 01608

Re: NPDES Stormwater General Permit Notice of Intent for Discharges from Small Municipal Separate Storm Sewer Systems (MS4s) Town of Walpole, MA

To Whom It May Concern:

Enclosed for your records is the NPDES Stormwater General Permit Annual Report for the Town of Walpole, MA. The Annual Report has simultaneously been filed with U.S. Environmental Protection Agency.

If you have any questions or require any additional information, please do not hesitate to call me at 508-660-7289 or our Town Engineer, Margaret Walker, at (508) 660-7213

Sincerely,

Town of Walpole, Massachusetts

Michael E. Boynton

Michael Boynton
Town Administrator

cc: Massachusetts Department of Environmental Protection, Worcester Office
Rebecca Balke, Comprehensive Environmental Inc.
File

Municipality/Organization: Town of Walpole, MA

EPA NPDES Permit Number: MAR041167

MADEP Transmittal Number: W- 040969

Annual Report Number
& Reporting Period: No. 2: March 04-March 05

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: Margaret Walker, P.E. Title: Town Engineer

Telephone #: (508)660-7211 Email: mwalker@th.walpole.ma.us

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: Michael E Boynton

Printed Name: Michael Boynton

Title: Town Administrator

Date: 4/22/05

Part II. Self-Assessment

The Town of Walpole has completed the required self-assessment of the annual compliance review for the Phase II Stormwater Program. In accordance with the NPDES Phase II Stormwater requirements, the following topics were evaluated for the completion of the Annual Report:

1. Compliance with the Phase II Permit Conditions
2. Appropriateness of the Selected BMPs
3. Progress Towards Achieving the Program's Measurable Goals
4. Results of Any Information that has been Collected and Analyzed
5. Activities for the Next Reporting Cycle
6. Changes in Identified BMPs or Measurable Goals

The Town has determined that our municipality is in compliance with all permit conditions, except for the following provisions:

Part I.B.2(g) The Town of Walpole's permit eligibility with regard to National Register of Historic Places was pending at the time of the NOI submission.

The Town received a letter from Massachusetts Historical Commission dated August 18, 2004 . (Refer to Attachment F in our Stormwater Management Master Plan). This letter indicated that they have determined that our project will have "no effect" on assets listed with the Commission, ;located within Walpole.

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 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
1A	Develop Stormwater Section of Town Website	IT Department, Engineering Department, Sewer and Water Department, and Consultant	Number of hits annually	Notices regarding Mtgs were posted on website. Attempt was made to apply for grant to create Stormwater website, but Town was unable to produce funding match due to budgetary constraints	Will work with IT department to create a Stormwater section/made on the existing Town website
Revised					
1B	Distribute Brochures and Fact Sheets to Businesses and Residents	Conservation Commission, Board of Health, and Consultant	Copies of Materials	Conservation Agent has created a Public Outreach Bulletin Board within Town hall for pertinent notices and information. Engineering has created positing/display in Town hall entrance regarding three BMP-s recently installed at Memorial Pond. Many brochures and fact sheets are posted for citizens to take for their use. Public information session hosted by CEI was held on 9-16-04.	Obtain/develop materials for brochures and fact sheets. Distribute materials to Walpole residents and businesses. Possible distribution of materials to schools, postings and fact sheets to be mad available for pick up in the library.
Revised					
1C	Publish Articles on Stormwater Protection in Local Newspaper	Engineering Department, Sewer and Water Department, and Consultant	Clippings of articles and advertisements printed from the local newspaper.	This was begun this BMP in Permit Year 2. Will continue to develop article formats and publish Stormwater related schedules and information in local	.This will continue this year as needed.

Revised					

1a. Additions

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
2A	Establish a Stormwater Telephone Hotline	Engineering Department, Sewer and Water Department, and Town Administration	Record number of telephone calls to hotline.	NOI specified to begin this BMP in Permit Year 2, however due to budget reasons, no funds available to hire additional personnel. Currently, Engin, DPW, or Health Dept. receives calls and transfers to appropriate department for processing.	Identify Town department to handle stormwater related phone calls. An attempt will be made in this upcoming year to identify a department with adequate manpower to handle this task. Advertise the department and phone number in local newspapers and Town's stormwater website.
Revised					
2B	Conduct River, Stream, and Pond Cleanups	Pond Management Committee	Cleaner streams as documented by before and after photographs.	NOI specified to begin this BMP in Permit Year 2. This was not accomplished this year due to manpower issues, but it is anticipated that this will be dealt with during year 3,	Identify a program manager and recruit volunteers. Identify cleanup goals and methods . for resource waters in Town. It is anticipated that the Town could work with NepRWA to address cleanup issues.
Revised					

2C	Prepare Press Release	Engineering Department, Board of Health, Sewer and Water Department, and Consultant	Copies of press articles.	NOI specified to begin this BMP in Permit Year 2. Selectmen has hearing relative to adoption of Town's Phase II Plan. Copies of the final Stormwater Management Plan for public use were given to the Selectmen's Office, the Library, the Conservation Commission, and Engineering. Town held Public Information Session on 9-15-04, which was well attended by local citizens.	Prepare press release describing any ongoing Phase II program and stormwater related information will be made as they occur. We will explore working with NepRWA on this issue.
Revised					

2a. Additions

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
3A	Develop Town Storm Drain Outfall Map	Engineering Department, Department of Public Works, Sewer and Water Department, and Consultant	All outfalls mapped by first year. Copy of storm drain map.	Town storm drain completed in a GIS format with the assistance of a consultant during Year 1.	Update and revise map as needed based on new development or differences observed in the field. GIS Coordinator adds new developments and infrastructure as they come in.
Revised					
3B	Develop Illicit Discharge Prohibition Bylaw	Conservation Commission, Planning Board, Board of Health, Sewer and Water Department, and Consultant	Obtain authorization to control inputs to the municipal drainage system. Bylaw at Town meeting by end of year 4.	An Illicit Discharge Prohibition Bylaw has been drafted with the assistance of a consultant. The draft ordinance is under review by Town departments. After first review and hearing, additional Conservation Commission reviews/revisions are currently underway.	Bylaw to be presented to various Town Boards before going to Town meeting. First public mtg. Regarding these documents was held to gather info on September 15,2004. Input is being incorporated. It is planned to bring these Bylaws to Town Meeting during FY2006.
Revised					
3C	Develop Illicit Discharge Detection and Elimination Plan and Implement Activities	Engineering Department, Board of Health, Sewer and Water Department, and Consultant	All outfalls examined by year 2. Sources traced and conclusion documented within one year of discovery.	Examination of 90% of the outfalls has been completed during year 1 with the assistance of a consultant. 5 of the remaining 10% were done in year 2. (22 out of 433) Samples of dry weather flows were collected and further investigation was	Walpole will continue to monitor the out of Town business, as they make an effort to install a new septic system. Remaining

Revised					
3D	Incorporate Information on Illicit Discharges into Public Education and Outreach Topics	Board of Health, Pond Management Committee, Sewer and Water Department, and Consultant	Copies of materials.	Conservation Agent has created a Public Outreach Bulletin Board within Town hall for pertinent notices and information.	Include illicit discharge information in public education materials.
Revised				Public information session hosted by CEI was held on 9-16-04. The importance of proper discharges was highlighted.	
3E	Identify Department to Take Stormwater Calls	Engineering Department, Highway Department, and Board of Health	Log of complaints and actions taken.	NOI specified to begin this BMP in Permit Year 2, however due to budget reasons, no funds available to hire additional personnel.	Establish responsibilities, procedures, and a schedule for Town personnel to receive Stormwater complaints. This will be coordinated with BMP #2A.
Revised				Currently, Engin, DPW, or Health Dept. receives calls and transfers to appropriate department for processing	

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 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
4A	Develop Stormwater Management and Erosion Control Bylaws and Regulation	Conservation Commission, Planning Department, Sewer and Water Department, and Selectmen	Bylaw at Town meeting by end of year 4.	An Erosion Control Bylaw has been drafted with the aid of a consultant, and is currently under review by Town departments. After first review and hearing, additional Conservation Commission reviews/revisions are currently underway.	Bylaw to be presented to various Town Boards before going to Town meeting. First public mtg. Regarding these documents was held to gather info on September 15,2004. Input is being incorporated. It is planned to bring these Bylaws to Town Meeting during FY2006.
Revised					
4B	Develop Guidance for Erosion Controls	Conservation Commission, Planning Department, Highway Department, Sewer and Water Department, and Consultant	Inspection checklist and documented inspections.	Guidance materials and a checklist for erosion controls were developed for use With approved bylaws. These can be found in appendix D, Attachment DF of Walpole's Stormwater Management Master Plan.	Town Boards before going to Town meeting. First public mtg. Regarding these documents was held to gather info on September 15,2004. Input is being incorporated. It is planned to bring these Bylaws to Town Meeting during FY2006.
Revised				An Erosion Control Bylaw has been drafted with the aid of a consultant. A consultant is currently working on erosion control guidance materials and an inspection checklist for use with the bylaws.	

4C	Identify Department to Take Stormwater Calls	Engineering Department, and Highway Department	Record number of phone calls to hotline, copies of advertisement.	NOI specified to begin this BMP in Permit Year 2 , however due to budget reasons, no funds available to hire additional personnel. Currently, Engin, DPW, or Health Dept. receives calls and transfers to appropriate department for processing	Establish responsibilities, procedures, and a schedule for Town personnel to receive Stormwater complaints. This will be coordinated with BMP #2A and 3E.
Revised					

4a. Additions

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 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2
5A	Develop Stormwater Management and Erosion Control Bylaw	Conservation Commission, Engineering Department, Planning Department, Sewer and Water Department, Selectmen, and Consultant	Bylaw at Town meeting by end of year 4.	A Stormwater Management and Erosion Bylaw has been drafted and is currently under review by Town departments. The Town received assistance from a consultant to draft language for the draft bylaw. After first review and hearing, additional Conservation Commission reviews/revisions are currently underway.	Bylaw to be presented to various Town Boards before going to Town meeting. First public mtg. Regarding these documents was held to gather info on September 15,2004. Input is being incorporated. It is planned to bring these Bylaws to Town Meeting during FY2006.
Revised					
5B	Develop BMP Design Standards	Planning Department, Engineering Department, and Consultant	Copy of design standards.	A consultant has prepared BMP design standards that supplement the Massachusetts Stormwater Management Policy..	Design standards will be and incorporated into proposed bylaws As the Bylaws are adopted.
Revised					
5C	Develop and Implement Inspection Program	Conservation Commission, Engineering Department, Highway Department, and Consultant	Retain copies of maintenance reports received annually, plus records of inspections completed and results.	A Stormwater Management Bylaw has been drafted, with the aid of a consultant, and is currently being reviewed by Town departments.	Begin developing an inspection program to ensure maintenance of BMPs, which can be used to implement the proposed bylaw.
Revised					

5a. Additions

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 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
6A	Clean Catch Basins	Highway Department	Clean all catch basins.	Catch basin cleaning is an ongoing operation of the Highway Department. Town owned catch basins are cleaned annually, during the Spring season. Typically, 1/3 of basins per year are cleaned, however, DPW estimates that ½ were cleaned this year due to an increased effort.	Catch basin cleaning operations will continue on an annual basis.
Revised					
6B	Sweep Streets in Town	Highway Department	Priority plan of sweeping based on water quality impact. Volume of sweepings collected.	Street sweeping is an ongoing operation of the Highway Department. Town owned streets are swept annually, during the Spring season. Quantities of sweepings collected throughout the Town have been recorded to help develop a prioritization plan.	Street sweeping operations will continue on an annual basis. Work on prioritizing areas and refining sweeping schedule.
Revised					
6C	Develop and Implement an Inspection and Maintenance Plan	Engineering Department, Conservation Commission, and Highway Department and Consultant	Written schedule. Records of inspections.	Structural BMPs were identified and inspected during outfall mapping activities. Locations of structures have been noted on the storm drain map.	Document inspection results and develop a written inspection schedule. Due to budget cuts, Engineering inspector was cut. Town will try to conduct inspections with existing staff.
Revised					
6D	Evaluate Municipal Facilities Throughout Town for Potential Stormwater Impacts and Implement BMPs	Highway Department and Consultant	List of Improvements. Improvements completed by end of year 5.	Evaluations of municipal facilities have been completed. A draft report identifying potential stormwater impacts and BMPs has been completed.	Town will work on design of Town Hall pkg lot, which will include parking lot BMP's.
Revised					

6E	Identify Other Phase II Institutional Entities	Engineering Department and Consultant	List of State and Federal facilities with information on Phase II plans.	Phase II institutional entities have been identified in the Town of Walpole. The report of Phase II institutional entities' plans was completed.	Completed. Year 2.
Revised					
6F	Ensure Water Quality Improvements are Considered for Flood Projects	Engineering Department	Records of Flood Control Projects.	Continue to ensure that any proposed projects to alleviate flooding will also consider water quality improvements as part of the plan/design.	Continue to ensure that any proposed projects to alleviate flooding will also consider water quality improvements as part of the plan/design.
Revised					
6G	Conduct Town Employee Stormwater Training	Consultant (Town Administrator, Highway Department, and Police and Fire Departments)	Attendance sheet and copy of program.	NOI specified to begin this BMP in Permit Year 2, however, due to reduction in staff and budgets, this goal was not completed. Town will endeavor to complete this item this year.	A Stormwater training program will be developed and implemented to increase Town employees' awareness of stormwater impacts and provide instruction on proper management techniques. This program may be presented by a hired contractor/consultant.
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 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
7A	Estimate Pollutant Loadings to Town Waters	Engineering Department and Consultant	Add subwatershed layer to drainage base map. Complete modeling and produce a table of priority water resources.	Pollutant loadings to water bodies throughout the Town have been modeled using PCSWMM. A sub watershed data layer was created and added to the Town's GIS base map. This work was completed with the assistance of a consultant. A table of resources was done. It is Appendix A of the Walpole Stormwater Management Master Plan.	Completed year 2.
Revised					
7B	Categorize Drainage System	Engineering Department and Consultant	Table and map of system categorization	Town storm drain systems were categorized, with the assistance of a consultant, based on results of field investigations, existing drainage maps, and subdivision plan reviews. Completed, and in Stormwater Management Master Plan, Appendix B	Completed near 2.
Revised					
7C	Evaluate Hydraulic Capacity in Areas of Concern	Engineering Department and Consultant	Report of system evaluation and modeling results.	Town storm drain systems experiencing hydraulic capacity issues were identified and modeled where necessary	Completed year 2.

Revised					
7D	Develop Conceptual Stormwater BMPs	Engineering Department and Consultant	Report of drainage system deficiencies.	Deficiencies have been identified and are currently being ranked in order of importance. Completed and is part of Stormwater Management Master Plan, Appendix D.	Completed year 2.
Revised					
7E	Implement Stormwater BMPs	Engineering Department and Consultant	As-built design plans.	Obtained s. 319 Grant for Clark's Cobbs Pond project.	Obtained funding, for design consultant who is under contract. Implement BMPs starting with priority based on available funding.
Revised					
7F	Construct Structural BMPs at Stormwater Discharges to Memorial Pond	Engineering Department and Consultant	Final design plans.	Construction of stormwater BMP for Memorial Pond has been completed. Final design plans are available through the Town's Engineering Department upon request.	The effectiveness of the BMP will be measured through a sampling effort conducted under the grant received to construct the project. This sampling will take place during year 3, due to absence of appropriate rainfall frequencies during year 2.
Revised					
7G	Apply for Grant Funds to Design and Install BMPs at Clarks and Cobbs Ponds	Engineering Department, Pond Management Committee, Town Administration, and Consultant	Copy of grant application and conceptual designs	Grant approval was received for both ponds. Contract has been let, design is ongoing.	Construction of BMPs at both ponds is expected to begin w/ NOI filing, in year 3, with construction to begin year 3, weather depending.

7a. Additions

7b. WLA Assessment

A TMDL report has been completed for fecal coliform bacteria in the Neponset River, which included a WLA for bacteria in Stormwater runoff for all communities within the river's watershed, including Walpole. The TMDL identified several sources of bacteria including illicit discharges to storm drains, leaking sanitary sewers, failing septic systems and Stormwater runoff.

The Town of Walpole's Phase II plan includes structural and non-structural BMPs to identify and address bacteria sources in stormwater. The Town has included public education BMPs, which will provide information to residents to address numerous sources of fecal coliform bacteria. Field investigations and dry weather sampling have also been conducted to identify and eliminate bacteria and other pollutant sources at storm drain outfalls as part of the Town's Illicit Discharge Detection and Elimination program. Field investigation efforts have effectively identified elevated bacteria levels at a storm drain system discharging to the Neponset River. Details for identifying the bacteria source are discussed below.

A Sewer System Evaluation Survey was also completed for Walpole's sewer system to report on any deficiencies. The analysis included inspection of sewer pipes and manholes to identify the worst parts of the system. The goal of the study was to develop a program that the Town could follow to make necessary repairs.

Part IV. Summary of Information Collected and Analyzed

High bacteria counts were discovered in a stormwater sample collected from a storm drain system in US Route 1, which discharges to the Neponset River in July 2003. This storm drain system is under the jurisdiction of Massachusetts Highway Department, but partially located within Walpole.

Lab results indicated E. coli (1,800 colonies/100ml) and Fecal Coliform (2,100 colonies/100ml) were present. The initial sample was collected at a culvert crossing Willow Street. Two additional sampling rounds were conducted, with additional locations upstream from Willow Street, in December and January to identify the source of the bacteria. The results of the second and third samples continued to have high bacteria counts, E. coli (280 to 800 colonies/100ml) and Fecal Coliform (90 to 2,400 colonies/100ml). Investigation efforts indicate the source is coming from the neighboring town of Foxboro where a large stormwater detention pond collects runoff from Route 1 and a small brook. This detention pond feeds the stream where the high bacteria counts were discovered.

As stated in Annual report for year 1, further investigation of the Route 1 drainage system was done to identify the source of contamination. Since the above-noted detention basin is located on Route 1, and receives Stormwater discharge from a piping system on that Route located within the adjacent Town of Foxboro, a joint meeting was held with officials from that Town. Foxboro Health Agent was able to bring records dating back almost 20 years which detailed a past very similar problem.

A subsequent meeting was held on site, at which the property owner was present, and was made aware of the problem of contamination. He is required by the Foxboro Board of health to make certain site alterations, leading to abandonment of the septic system on site which is alleged to be causing the downstream contamination. Pumping records are being supplied to both Towns. Developer is exploring installation of new system or connection to Walpole Town Sewer.

Several other stormwater samples have been collected throughout the Town at storm drain outfalls experiencing dry weather flows. Lab results from these locations have been evaluated for potential indications of illicit connections. Locations where stormwater samples do indicate a potential illicit connection will receive further attention during the upcoming reporting year.

Part V. Program Outputs & Accomplishments (OPTIONAL)

Programmatic

Stormwater management position created/staffed	(y/n)	No
Annual program budget/expenditures. No additional [position will be allowed due to tight budget.	($)	No

Education, Involvement, and Training

Estimated number of residents reached by education program(s)	(# or %) ~ 2-3 dozen	N/A Yes
Stormwater management committee established	(y/n)	No
Stream teams established or supported	(# or y/n)	No
Shoreline clean-up participation or quantity of shoreline miles cleaned		N/A
Household Hazardous Waste Collection Days		
▪ days sponsored	(#)	2 (See note)
▪ community participation	(%)	6%
▪ material collected	(tons or gal)	See note
School curricula implemented	(y/n)	No
A six town consortium is used to provide residents with additional hazardous waste days. Residents can participate during hazardous waste days at any participating town. ***Walpole conducted two Hazardous Waste Collection Days, 5-1-04, and 10-2-04. Materials collected during Permit Year 2 include: 440 gal of oil, 95 car batteries, 300 tires, 124 propane tanks, and 253 tvs/monitors.. Approx. 185 cars made deliveries of materials..***		

Legal/Regulatory

	In Place Prior to Phase II	Under Review	Drafted	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				
▪ Erosion & Sediment Control			X	
▪ Post-Development Stormwater Management			X	

Mapping and Illicit Discharges

Outfall mapping complete	(%)	100%
Estimated or actual number of outfalls	(#)	433
System-Wide mapping complete	(%)	100%
Mapping method(s)		
▪ Paper/Mylar	(%)	
▪ CADD	(%)	
▪ GIS	(%)	100%
Outfalls inspected/screened	(%)	95%
Illicit discharges identified	(#)	2
Illicit connections removed ***Town is working with a consultant to identify and eliminate illicit connections.***	(#) (est. gpd)	0
% of population on sewer	(%)	70%
% of population on septic systems	(%)	30%

Construction

Number of construction starts (>1-acre)	(#)	6
Estimated percentage of construction starts adequately regulated for erosion and sediment control	(%)	100%
Site inspections completed ***2-3 per week***	(# or %)	2-3 per week
Tickets/Stop work orders issued	(# or %)	0
Fines collected	(# and $)	0
Complaints/concerns received from public	(#)	30
The Town does not have an erosion and sediment control regulation in place yet. A draft Erosion Control Bylaw is under review. Construction projects which fall within a wetland buffer area are required to meet Wetland Protection Act regulations.		

Post-Development Stormwater Management

Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control	(%)	100%
Site inspections completed ***Inspections ongoing as sites progress.***	(# or %)	0
Estimated volume of stormwater recharged Sites comply with DEP Stormwater guidelines .	(gpy)	Per DEP Stds.
The Town does not have a Stormwater control regulation in place yet. A draft Stormwater Management Bylaw is under review.		

Operations and Maintenance

Average frequency of catch basin cleaning (non-commercial/non-arterial streets)	(times/yr)	½ CBs/yr
Average frequency of catch basin cleaning (commercial/arterial or other critical streets)	(times/yr)	2
Total number of structures cleaned	(#)	2400/yr
Storm drain cleaned	(LF or mi.)	1,200 LF
Qty. of screenings/debris removed from storm sewer infrastructure	(lbs. or tons)	60 tons

Disposal or use of sweepings (landfill, POTW, compost, recycle for sand, beneficial use, etc.)		*Off site disposal at an approved facility*
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)	2-3/mo
Qty. of sand/debris collected by sweeping	(lbs. or tons)	60-70 tons
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.) ***Street sweepings were disposed at the landfill up to last year. Starting in Permit Year 2, street sweepings will be disposed off site at an approved facility.***	(location)	See note
Cost of sweepings disposal	($)	
Vacuum street sweepers purchased/leased	(#)	1
Vacuum street sweepers specified in contracts	(y/n)	Yes

Reduction in application on public land of: ("N/A" = never used; "100%" = elimination)		
▪ Fertilizers	(lbs. or %)	
▪ Herbicides	(lbs. or %)	
▪ Pesticides	(lbs. or %)	
Pesticides are applied only when necessary. Six Town employees are licensed to apply pesticides (one commercial licensed) and two arborists. ***Town continually tries alternatives to reduce the use of chemicals. A written pesticide application policy is in place for the DPW Department throughout the Town. Schools use an IPM plan to reduce the use of pesticide.***		

Anti-/De-Icing products and ratios *80:20 sand/salt mixture typically used. Straight salt used as needed.*	% NaCl % $CaCl_2$ % $MgCl_2$ % CMA % Kac % KCl % Sand	*CaCL2 applied by spray or sand/salt conveyor.*
Pre-wetting techniques utilized	(y/n)	no
Manual control spreaders used	(y/n)	yes
Automatic or Zero-velocity spreaders used *Adjusts to track speed and roadway characteristics.*	(y/n)	
Estimated net reduction in typical year salt application *DPW Department conforms to the existing salt reduced routes.*	(lbs. or %)	
Salt pile(s) covered in storage shed(s)	(y/n)	yes
Storage shed(s) in design or under construction	(y/n)	N/A