NPDES PII Small MS4 General Permit
Annual Report

Municipality/Organization:	**Town of Natick, Massachusetts**
EPA NPDES Permit Number:	**MAR041139**
MassDEP Transmittal Number:	**W-035570**
Annual Report Number & Reporting Period:	**Report No. 4: May 1, 2006 – April 30, 2007**

Part I. General Information

Contact Person: Mark Coviello
Title: Town Engineer
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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: Martha White
Printed Name: Martha White
Title: Acting Town Administrator
Date: April 24, 2007

Part II. Self-Assessment

The Town of Natick has completed the required self-assessment and has determined that our municipality is in compliance with all permit conditions. Although we are not required to assess ourselves in regards to the BMP implementation, goals and schedule within this section, the Town would like to note that due to staffing and budgetary constraints over the last two years, our plan of action has had to be modified and schedules shifted. During the last two years, the Department of Public Works (the department responsible for the implementation of the NPDES Permit for the Town) lost their Stormwater Coordinator and the position was not filled (due to budget cuts). The duties of that position have been distributed to personnel within the Department of Public Works and Community Development, but with the staffing and budgetary constraints, both departments are operating beyond their means.

The Town of Natick is still committed to meeting all requirements of their permit, but may not be able to complete all tasks prior to the completion of the fifth year of this permit. The Town is working to complete all tasks but with continued budget cuts and staff reorganizations likely to occur, it is unclear how this affects our ability to meet all scheduled goals.

Even with the budget cuts and staffing issues, the Natick Stormwater Committee has been pro-active in trying to ensure that the scheduled tasks are completed and have gone as far to revise their plan to include an additional task (submission of a General Notice of Intent to the Conservation Commission) that will help the town be able to maintain their infrastructure better to minimize possible environmental hazards from occurring. They have also decided that updating and improving our website (although the task was completed during Year 1) was a necessity due to the lack of resident viewing. Due to its location on the town website, the "look" of the site as well as a limited amount of information, the website was not "user-friendly". The Engineering Department is in the process of updating the stormwater webpage with some of the following: 1) Placing a direct link to the Stormwater Page on the front page of Town website, 2) Including more information on Stormwater, 3) Adding contact information for flooding, illicit connections and construction/erosion control issues, and 4) including a fun area for kids to learn about Stormwater.

The Town has been very active in regards to locating and mapping our storm drainage system. The town is not only mapping the locations of our outfalls but also all drainage structures including pipes, catch basins and outfalls. These structures are being located using GPS technology which has allowed the town to produce 40 scale drawings which the Town can use in cases of emergency or problems with the storm drainage system or to assist the Town in marking out the storm drains for contractors performing excavation work near the system. Knowing the locations of the storm drainage pipes and structures will minimize the likelihood that contractors will damage our storm drainage system during their excavation work thus protecting water bodies downstream.

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 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
1-1	Website Modifications	Department of Public Works	Add links to Supply Watershed Information; Add New Hotline Phone Number	No work performed on Website in Year 4. The stormwater website was created during Year 1 of the permit.	The goal for Year 5 is to update the website to include more information, make it more user friendly and make it more interesting to residents since there has not been a major upgrade to the website for a few years. Contacts for the following areas have been added: Flooding – Tom Hladick (Highway), Illicit Discharges – Roger Wade (Board of Health), and Construction Activities/Erosion Control – Bob Bois (Conservation) with applicable phone numbers for each person.
1-2	Storm Water Flyer to Community Residents	Engineering Department	Distribute flyer to 75% of Natick Residents; Compile and Consider "Survey" results	No work performed for this BMP during Year 4. The flyer was created and distributed to residents during Year 1.	No work planned for this BMP during Year 5. **Goal Completed**
1-3	Storm Water Lesson Plan for Fifth Grade Students	Engineering Department	Develop and Distribute lesson plan for Grade 5 level (Use plan to teach 1 or more Grade 5 classes)	No work performed for this BMP during Year 4. The lesson plan was developed, distributed and taught to fifth graders during Year 2 of the permit.	No work is planned for this BMP during Year 5. **Goal Completed**
1-4	Storm Water Flyer to Community Businesses	Engineering Department	Distribute flyer to a minimum of 50% of Natick Businesses, Storm Water Log displayed by half of the businesses receiving the flyer	During Year 4, the Town worked with SuAsCo to develop a storm water flyer to be sent to community businesses. We received the flyers in March 2007 and are in the process of distributing to 100% of the local businesses (as part of a Tax Bill mailing).	The Town is distributing stormwater flyers to 100% of the local businesses in Natick educating them on stormwater and what they can do to help.

1-5	Storm Water Media Campaign	Engineering Department	Deliver media information packet to the local media, Issue 4 press releases to local and major media outlets	No work performed on this BMP during Year 4. Informational packets were delivered to media (local and major) outlets during Year 3 of the permit.	No work is planned for this BMP during Year 5. **Goal Completed**
1-6	Storm Water Video	Engineering Department	Show Storm Water Video at a minimum of 1 public meeting, and air Storm Water Video at least once on the local cable channel	No work performed on this BMP during Year 4.	The Town is planning to work with SuAsCo (as well as the town's own local cable station Pegasus) to develop a video to be shown on local access television.

2. Public Involvement and Participation

BMP ID #	**BMP Description**	**Responsible Dept./Person Name**	**Measurable Goal(s)**	**Progress on Goal(s) – Permit Year 4** (Reliance on non-municipal partners indicated, if any)	**Planned Activities – Permit Year 5**
2-1	Storm Water Committee	Stormwater Committee	Establish a Stormwater Committee, Hold Quarterly meetings at a minimum	The Stormwater Committee was established during Year 1 of the permit. Due to staffing and budget issues, the Stormwater Coordinator position is no longer filled. Meetings were not held for a short time but at the end of Year 4, meetings were being held on a regular basis.	The Stormwater Committee will continue to meet on a regular basis during Year 5 of the permit. These meetings are beneficial in trying to keep the program "on-track" with all the budgetary and staffing issues that we have endured over the last two years.
2-2	Community Hotline	Department of Public Works	Establish a Hotline; Residents Use Hotline and Phone calls indicating suspicious activities are investigated	The Hotline was established during Year 1 of the permit. The hotline is still in service during Year 4 of the permit giving residents the opportunity to report suspicious activities to the appropriate personnel.	During Year 5 of the permit, the hotline will remain an important part of the Stormwater program and will be highlighted in our ongoing education to residents and businesses. As part of the website updated noted in BMP 1-1, the Town will work to make reporting suspicious activity even easier for the residents.

2-3	Stormwater Traveling Display	Department of Public Works	Storm Water Display circulates around Natick for at least 3 months; Display is Posted at a minimum of 3 different public locations; Posted in public places or at storm water events	The traveling display was purchased during Year 1 of the permit. Since its purchase the Town has had it located at the Department of Public Works year round. During special events (Town Meeting, Storm Water events, etc), the display has been set for viewing by the residents or other attendees of the meeting. At the end of Year 4, the Town purchased an additional Traveling display from SuAsCo so that it can be seen by more people.	The Town will continue bringing the stormwater display to town-wide events and other gatherings where it will be seen by a large number of residents at one time.
Revised		Stormwater Committee	Purchase Additional Traveling Display		
2-4	Storm Water Poster Contest for 5th Grade Students	Department of Public Works	Hold poster Contest, receive entries and judge submissions	No work performed for this BMP during Year 4. The contest was run during Year 3 of the permit.	No work is planned for this BMP during Year 5. **Goal Completed**
2-5	Storm Water Photo Contest for High School Students	Department of Public Works	Hold Photo Contest, receive entries and judge submissions	In conjunction with the SuAsCo Watershed Council, the BMP for Year 4 of the permit has been changed from a photo contest to a Storm Water Drain Marking kit. The Town of Natick worked closely with SuAsCo on the implementation of the marking kit BMP. The Marking kits were received by the Town of Natick at the end of March 2007. The Stormwater Committee is trying to determine how best to utilize this educational tool and will begin implementing during Year 5 of the permit.	During Year 5, the Stormwater Committee will determine the best way to implement this task. Local school, church groups, scout troops, etc. will be contacted to see if they would like to participate (in conjunction with a member of the DPW) on a Storm Water Drain marking project. The kids will have fun marking the drains and learn about storm water at the same time. The Town will most likely contact the local media during one of these outings to gain publicity for stormwater and to educate the residents more on what Stormwater is and how we can affect it. The BMP schedule as of 5/1/07 will be revised to reflect these changes
Revised	*Storm Water Drain Marking Kit*	Department of Public Works	Install labels on approximately 200 catch basins		
2-6	Hold a Local Storm Water Summit	Stormwater Committee	Hold community storm water summit and advertise to encourage community attendance	No work performed for this BMP during Year 4. The summit was coordinated and held during Year 3 of the permit schedule.	No work is planned for this BMP during Year 5. **Goal Completed**

2-7	Participate in SuAsCo Storm Water Super Summit and Conduct an Evaluation and Assessment of Public Awareness of Storm Water	Engineering Department	Participate in Storm Water Super Summit; Storm Water Self Test distributed to a minimum of 75% of Natick residents, Compile and consider "Self Test" Results	No work performed for this BMP during Year 4.	The Town will work with SuAsCo on the implementation of the self test and participation in this summit. The Town will send the self test to the residents as part of a tax bill mailing to minimize costs to the Town.

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
3-1	Illicit Discharge Bylaw	Board of Health/ Engineering	Develop Illicit Discharge Bylaw and Present it to Town Meeting	No work performed for this BMP during Year 4. The Illicit Discharge bylaw was created and approved by Town Meeting during Year 3 of the permit. During Year 4, the town began implementing this bylaw and working with the Board of Health to ensure that it is being followed.	The Department of Public Works and the Conservation Commission will work together to continue implementing the bylaws, rules, and regulations set forth as part of this BMP. **Goal Completed**
3-2	Inspect and Sample Town Discharges	Engineering Department	Inspect all Town Discharges; Identify outfalls that indicate potential sewerage or illicit discharges; If Schedule and budget allows, conduct follow-up testing and inspection at discharges with the potential of illicit discharges and/or sewage contamination	Due to the loss of the Town's Stormwater Coordinator (who was going to be working on the outfall inspections) and increased work loads due to Town wide staffing and budget cuts, only a limited number of outfall inspections were able to be performed during Year 4 and not all of them were during dry weather conditions. Staring in Permit Year 5, all known outfalls will be inspected in a dry weather period and all the noted information will be collected and kept in a separate database.	The Department of Public Works is planning on focusing a large amount of time on completing the Outfall inspections during Year 5. Outfalls indicating potential sewerage contamination or the presence of illicit discharges will be identified and recorded. The Board of Health will be notified of the potential contamination and will schedule future follow-up inspection and testing during Permit Year 5 if budget and schedule allows. The BMP schedule as of 5/1/07 will be revised to reflect these changes.

3-3	System Mapping and Evaluation	Department of Public Works	Complete system map, structures, pipe databases and coverages; Locate all known discharges with GPS; Conduct Hydraulic modeling of flood prone areas; Add soils and land use to base mapping; Map septic system and provide pumping history	The Town has been very active in completing the mapping of our Storm Drainage system. During Year 4 of the permit, outfalls were locating using GPS technology. By doing this, the town can create 40 scale drawings which can be used by the DPW to locate the system in cases of emergency or it can be available to contractors to assist them in knowing the location of the storm drains during their excavations which will limit the amount of damage they can do to the system. During Year 4 of the permit, both the Soils Mapping and the Septic Mapping was completed and a copy of the maps will be linked to the Town website soon. At the end of Year 4, approximately 95% of the drainage system map is complete and approximately 96% of all drainage outfalls have been located.	During Year 5, the Town will continue their efforts in locating and mapping the storm drainage structures. By the end of the year, it is the town's goal that all outfalls that **CAN** be located will have been. However, there will still be outfalls that the Town is unable to locate due to field conditions and/or access. Hydraulic modeling/analysis, of flood prone areas, using the drainage mapping will continue through Permit Year 5. The BMP schedule as of 5/1/07 will be revised to reflect the above changes.
3-4	Illegal Dumping Education	Stormwater Committee	Educate the public on the hazards of illegal dumping	In conjunction with the educational BMP's listed above, the Stormwater Committee has been continuing to educate the residents of Natick of the hazards of Illegal dumping. This education has come in the form of the flyers to residents and businesses, the summit held in Year 3, the Marking Kit program implemented in Year 4, the Stormwater Traveling Display, and the inclusion of the Town of Natick Stormwater Management Plan on the town website.	During Year 5, the Town is going to continue its efforts of educating residents on the hazards of illegal dumping. Through the proposed stormwater video promised under BMP 1-6 as well as flyers to businesses and the self test noted under BMP 2-7., the town will continue to stress the importance of not dumping illegal and hazardous materials into Natick's storm drain system.

3-5	Septic System Controls	Board of Health	Mandate Septic System Maintenance; Create database to track maintenance activities; Update database based on new septic system information	A septic system maintenance database was created during Years 1 and 2 of the permit. Since that time, the Board of Health has been working to ensure that it is complete and accurate. Every year, including Year 4 of the permit, they have been continually updating and adding new information as it becomes available.	During Year 5 of the permit, the Board of Health will continue to update and improve the septic system maintenance database. The Board of Health is also planning on submitting updated Septic System Regulations for adoption by the Town by the end of 2007. These new regulations will reduce system failures over time by assuring/ mandating system maintenance, effectively reducing the pollution and public health nuisances associated with such failures. The BMP schedule as of 5/1/07 will be revised to reflect these changes.

4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
4-1	Soil and Erosion Control Bylaw	Conservation Agent/ Department of Public Works	Develop a Soil and Erosion Control Bylaw and present it to Town Meeting	No work performed for this BMP during Year 4. The Soil and Erosion Control Bylaw was created and approved by Town Meeting during Year 3 of the permit. During Year 4, the town began implementing this bylaw and working with the Conservation Commission to ensure that it is being followed during construction activities.	The Department of Public Works and the Conservation Commission will work together to continue implementing the bylaws, rules, and regulations set forth as part of this BMP. **Goal Completed**
4-2	Construction Inspections	Conservation Agent/Department of Public Works	Town Representative to inspect Construction Activities on Weekly Basis	During Year 4, as was the case in all previous years of the permit, the Town of Natick has been very active in inspecting construction activities within the Town. **ALL** construction sites in town are inspected and all departments (building, conservation, DPW, Board of Health) make this a priority and it will remain a top priority for the Town even after the conclusion of the EPA permit.	As noted in the Year 4 explanation, the Town will continue to monitor **ALL** construction activities within the Town of Natick.

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 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
5-1	Bylaw for Post Construction Runoff	Conservation Agent/Department of Public Works	Develop a bylaw to limit runoff from post construction areas and present it to Town Meeting	No work performed for this BMP during Year 4. The Post Construction Runoff Bylaw was created and approved by Town Meeting during Year 3 of the permit. During Year 4, the town began implementing this bylaw and working with the Conservation Commission and the Building Department to ensure that it is being followed during construction activities.	The Department of Public Works and the Conservation Commission will work together to continue implementing the bylaws, rules, and regulations set forth as part of this BMP. **Goal Completed**
5-2	BMP Inspection and Maintenance	Conservation Agent/Department of Public Works	Inspect all town maintained structural BMP's over a Two Year period; Document any problems with BMP and investigate possible modifications	The current schedule calls for all Town owned structural BMPs to be inspected over a two year period starting in Permit Year 4. Also, the Town was to document any problems and investigate possible modifications to the structural BMP to improve their performance. This goal has been revised. The revision calls for the Town to inspect all structural BMPs and to document the performance over the last year of this permit. The original schedule was too aggressive to be completed with the current staffing and projected staff work loads. Further, it is Town's opinion that it would be more effective to have the drainage system mapping almost complete before starting the stated inspections. The BMP schedule as of 5/1/07 will be revised to reflect this change.	During Year 5, the Town will continue to inspect town maintained structural BMP's as noted in the Year 4 description within the budgets and staffing issues that are occurring in Natick. With the loss of the Town's stormwater coordinator, a key component of inspections has been lost but other departments and personnel are working to perform these inspections.

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 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
6-1	Catch Basin Cleaning	Highway Department	Clean 1/3 of all catch basins per year	During Year 4 of the permit, 1/3 of all catch basins within Natick were cleaned by a subcontractor working for the Town. This was the second year of a 3 year contract for the Town for this company to perform catch basin cleaning throughout Natick.	The Town is planning on cleaning another 1/3 of the catch basins within the storm drainage system during the spring (most likely in May of this year). This will be done as the last year of a three year catch basin cleaning contract (thru October 2007).
6-2	Street Cleaning	Highway Department	Sweep all town owned streets and parking lots once per year; Sweep downtown areas once per month (Apr-Nov); Sweep Major Streets twice per year; Sweep Town Parking Lots twice per year; Document amount of collected debris; and BUD for Street Sweeping Material Collected	All town streets were swept at least once during Year 4 of the permit. Downtown streets were swept once per month (April to November) while major town streets as well as all town owned parking lots were swept twice per year. The amount of street sweepings and catch basin sediment that was collected was documented by the DPW.	During Year 5 of the permit, the town will continue its yearly maintenance of the roadways by cleaning the streets per the schedule that was noted in the Year 4 description. The amount of sediment and debris collected will be documented as was the case in every other year of this permit.

6-3	Investigate Town Owned BMP's for Retrofit Opportunities	Department of Public Works	Implement two retrofit projects (based on inspections conducted in BMP 5-2)	Although it was not planned, the town implemented two drainage projects during Permit Year 4. These projects were originally scheduled to be completed during Permit Year 5, however, due to a favorable bidding climate for construction these projects were completed during the past year. The following is a brief description of the work completed: • Furnished and installed a pre-cast concrete control structure with an in-house fabricated steel debris rack. This structure was placed at the inlet of an existing 24 inch drainage drain pipe which receives runoff from an open drainage swale. And ultimately discharges into Lake Cochituate. Prior to installation of this structure debris (bottles, trash, ect.) was allowed to flow into the 24 inch drain pipe. The debris rack with an emergency overflow system allows debris to collect without blocking the inlet to the pipe. DPW staff cleans the debris rack on a regular basis. • Replaced the existing substandard drainage system in the areas of Westlake Road and South Ave. In both of these project areas the capacities of the existing drainage system was increased to eliminate local street flooding, and damage to abutting properties. As part of this work, pre-cast concrete deep sump basins with environmental hoods, for all new and replacement catch basins were installed. As result of these improvements local street flooding was eliminated and the quality of the drainage discharge for these areas was improved as result BMP's used.	The Town is always looking for opportunities and places to install retrofit projects and will continue this endeavor during Year 5 of the permit. It is important to note that on every new development, the Town is requiring developers to incorporate structural BMPs (such as deep sump catch basins, hoods, etc) into their storm drainage designs.

6-4	Municipal Employee Training	Conservation Agent	Continue town's current practices	During Year 4 of the permit, the Town's Stormwater Coordinator position was cut and no replacement was hired. The duties of this coordinator have been assigned to numerous other people. Prior to the departure of the Coordinator, all the required municipal employee training was conducted.	With the duties of the Stormwater Coordinator being re-assigned, the Town is planning on performing the municipal employee training for this year in May. Training includes: Hazard Communication, Spill Prevention Control and Countermeasures, Storm Water Management, Stage II Vapor Recovery and "Right to Know". New hires are trained in these areas within their first 30 days of employment.

6a. Additions

6-5	DPW – General Notice of Intent (GNOI)	Department of Public Works	File a NOI for Routine DPW Operations and Maintenance Activities	The principal goal of the GNOI was to establish a procedure through which the DPW can conduct routine operational and maintenance procedures as well as utility repairs within the town of Natick's utility systems (water and sewer) without the administrative burden of filing and NOI or RDA for each activity or location. By implementing this program and working to increase notification of work to the Conservation Commission, the Department of Public Works will be helping ensure that the infrastructure in town will be maintained to limit any adverse environmental impacts that could arise from a utility that is not maintained properly. At the end of Year 4, the GNOI was submitted to DEP and the local conservation commission and was approved by the Conservation Commission in mid April 2007 (beginning of Year 5)	The DPW anticipates implementing the project during 2007 and working with the Conservation Commission on a notification process that will allow the Conservation Agent to properly oversee the work that the DPW will be performing.

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

Not applicable. TMDL's have not been developed for any of the water bodies in Natick.

Part IV. Summary of Information Collected and Analyzed

There is no information or data that was collected during Permit Year 4 that is not included elsewhere in this report.

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, 2006 through March 31, 2007)

Programmatic

	(Preferred Units)	Response
Stormwater management position created/staffed	(y/n)	N
Annual program budget/expenditures **	($)	35,000
Total program expenditures since beginning of permit coverage	($)	Unknown[Note 1]
Funding mechanism(s) (General Fund, Enterprise, Utility, etc)		General

Note 1: The annual stormwater program budget of $35,000 covers only the costs for outside services. All other work performed was completed using Town personnel; equipment; and materials. These costs were not tracked.

Education, Involvement, and Training

Estimated number of property owners reached by education program(s)	(# or %)	Unknown
Stormwater management committee established	(y/n)	Y
Stream teams established or supported	(# or y/n)	N
Shoreline clean-up participation or quantity of shoreline miles cleaned **	(y/n or mi.)	Y
Shoreline cleaned since beginning of permit coverage	(mi.)	7
Household Hazardous Waste Collection Days		
▪ days sponsored **	(#)	1
▪ community participation **	(# or %)	191
▪ material collected **	(tons or gal)	Unknown
School curricula implemented	(y/n)	N

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	(%)	96
Estimated or actual number of outfalls	(#)	500
System-Wide mapping complete (complete storm sewer infrastructure)	(%)	95
Mapping method(s)		
▪ Paper/Mylar	(%)	Yes
▪ CADD	(%)	Yes
▪ GIS	(%)	Yes
Outfalls inspected/screened **	(# or %)	0
Outfalls inspected/screened (Since beginning of permit coverage)	(# or %)	125
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)	0
% of population on sewer	(%)	87
% of population on septic systems	(%)	13

Construction

	(Preferred Units)	Response
Number of construction starts (>1-acre) **	(#)	5
Estimated percentage of construction starts adequately regulated for erosion and sediment control **	(%)	100
Site inspections completed **	(# or %)	100
Tickets/Stop work orders issued **	(# or %)	0
Fines collected **	(# and $)	0
Complaints/concerns received from public **	(#)	Not recorded

Post-Development Stormwater Management

Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control	(%)	100
Site inspections (for proper BMP installation & operation) completed **	(# or %)	100
BMP maintenance required through covenants, escrow, deed restrictions, etc.	(y/n)	Y
Low-impact development (LID) practices permitted and encouraged	(y/n)	Y

Operations and Maintenance

Average frequency of catch basin cleaning (non-commercial/non-arterial streets) **	(times/yr)	Once/3 years
Average frequency of catch basin cleaning (commercial/arterial or other critical streets) **	(times/yr)	Once/3 years
Qty of structures cleaned **	(#)	1,273
Qty. of storm drain cleaned **	(%, LF or mi.)	300
Qty. of screenings/debris removed from storm sewer infrastructure **	(lbs. or tons)	358.64
Disposal or use of screenings (landfill, POTW, compost, beneficial use, etc.) **	(location)	Beneficial – Oak Street Facility

Basin Cleaning Costs		
• Annual budget/expenditure (labor & equipment)**	($)	22,850.35
• Hourly or per basin contract rate **	($/hr or $ per basin)	17.95/basin
• Disposal cost**	($)	Appr. $5,000
Cleaning Equipment		
• Clam shell truck(s) owned/leased	(#)	1
• Vacuum truck(s) owned/leased	(#)	2
• Vacuum trucks specified in contracts	(y/n)	N
• % Structures cleaned with clam shells **	(%)	100
• % Structures cleaned with vactor **	(%)	0

	(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)	2,553
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.) **	(location)	Beneficial Use – Oak Street Facility
Annual Sweeping Costs		
• Annual budget/expenditure (labor & equipment)**	($)	No Assigned Budget
• Hourly or lane mile contract rate **	($/hr. or ln mi.)	Not Calculated
• Disposal cost**	($)	No Cost
Sweeping Equipment		
• Rotary brush street sweepers owned/leased	(#)	2
• Vacuum street sweepers owned/leased	(#)	0
• Vacuum street sweepers specified in contracts	(y/n)	N
• % Roads swept with rotary brush sweepers **	%	100
• % Roads swept with vacuum sweepers **	%	0

Reduction (since beginning of permit coverage) in application on public land of: ("N/A" = never used; "100%" = elimination)		
▪ Fertilizers	(lbs. or %)	0
▪ Herbicides	(lbs. or %)	Reduced but unable to calculate at time of report
▪ Pesticides	(lbs. or %)	Reduced but unable to calculate at time of report
Integrated Pest Management (IPM) Practices Implemented	(y/n)	Y

	(Preferred Units)	Response
Average Ratio of Anti-/De-Icing products used ** (also identify chemicals and ratios used in specific areas, e.g., water supply protection areas)	% NaCl % $CaCl_2$ % $MgCl_2$ % CMA % Kac % KCl % Sand	80% 5% 15%
Pre-wetting techniques utilized **	(y/n or %)	Y
Manual control spreaders used **	(y/n or %)	Y
Zero-velocity spreaders used **	(y/n or %)	N
Estimated net reduction or increase in typical year salt/chemical application rate	(±lbs/ln mi. or %)	2333.35 tons for year Note 2
Estimated net reduction or increase in typical year sand application rate **	(±lbs/ln mi. or %)	1938.71 tons for year Note 2
% of salt/chemical pile(s) covered in storage shed(s)	(%)	100
Storage shed(s) in design or under construction	(y/n or #)	N
100% of salt/chemical pile(s) covered in storage shed(s) by May 2008	(y/n)	Y

Note 2: The tonnage for this past year was greater than in previous years. At the time of submission, the information required to do an exact comparison between this past year and previous years was not available so we are unable to estimate the net reduction or increase in the rate of sand and salt application.

Water Supply Protection

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