Municipality/Organization:	**Town of Nahant**
EPA NPDES Permit Number:	**MA041051**
MassDEP Transmittal Number:	**W-040989**
Annual Report Number & Reporting Period:	**April 1, 2006 – March 31, 2007**

NPDES PII Small MS4 General Permit Annual Report
(Due: May 1, 2007)

Part I. General Information

Contact Person: Mr. Mark Cullinan Title: Town Administrator

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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:

Printed Name: Mark Cullinan

Title: Town Administrator

Date: April 27, 2007

Part II. Self-Assessment

The Town of Nahant has completed the required self-assessment and has determined that our municipality is in compliance with all permit conditions.

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	Place Educational Information on the Town's Web Site	Nahant Town Administrator Nahant Webmaster	**Spring '03-Winter '07- '08** • Post stormwater related information on the Nahant Public Services web site. • Update web site regularly.	• In 2003 the "Water Management " page was developed for the Town's official website (www.nahant.org). This page introduced Nahant's NPDES General Permit for Stormwater Discharges and has links to the Town's SWMP and power point presentation used to introduce it at the public meeting, Water Conservation information and links to websites containing pertinent environmental information. Throughout 2006 the Town continuously updated information stormwater related information on the website.	• Update the "Water Management" web page regularly and continue to post new stormwater related information throughout 2007.
1-2	Conduct an Annual Household Hazardous Waste Collection Day & Collect Used Motor Oil and Batteries at the DPW	Nahant Department of Public Works Nahant Webmaster	**Spring '03/'04/05/'06/'07 (Revised Below)** • Co-sponsor an annual Household Hazardous Waste Collection Day. • Continue to develop the Household Hazardous Waste Collection Day flyer on an annual basis for availability at the Nahant Town Hall and other municipal buildings. • Annually send a press release advertising the event to the Harbor Review and other local newspaper and track which newspapers published it. • Advertise the annual event on the Nahant public cable access Channel 8 Bulletin Board. • Maintain and update the Town's web page. • Track the amounts and types of waste collected each year. • Track the number of Nahant vehicles that participate in the event each year. **Spring '04 – Winter 07/08** • The DPW will continue to collect used motor oil and old batteries throughout the permit term. This service will be continuously announced via the Town's public access station and an annual mailer.	• The Town advertised the Essex County HHW Collection Network events that are open to non-residents. These events were advertised via the Town's website and flyers posted throughout the Town Hall and other municipal buildings. • Throughout 2006, the Town accepted old batteries and approximately 3000 gallons of used motor oil at its Public Works Facility. The used motor oil was used to heat the facility.	• The Town will advertise Essex County HHW Collection Network events that are open to non-residents. These events will be advertised via the Town's website and flyers posted throughout the Town Hall and other municipal buildings. • The Town will continue to collect old batteries and used motor oil at its Public Works Facility.
Revised 1-2	Advertise Essex County Household Hazardous Waste Collection Day Events that are open to non-residents	Nahant Department of Public Works	**Spring '04/05/06/07** • Due to poor turnout during previous years and the high cost of the event, the Town will not cosponsor a HHW collection day beyond permit year 1. As a substitution, the Town will advertise Essex County HHW Collection Network events that are open to non-residents. These events will be advertised via flyers posted throughout Town.		
1-3	Intensify the Existing Pet Waste Management Campaign	Nahant Animal Control Department Town Clerk's Office Nahant Department of Public Works	**Spring '04 – Winter 07/08** • Update fact sheets to include information regarding the effects of pet wastes on water quality and what pet owners can do to reduce water pollution. • Distribute updated fact sheets with dog licenses, dog license renewals, and at the Town sponsored spring rabies clinic. • Track the number of fact sheets distributed annually. • Track the number of violations issued per year. • Post pet waste management information on the Town's web site. • Establish "pet waste stations" at the designated "Dog Beach". • Track the number and location of new signs posted that advertise the Town's pet waste removal by-law.	• Two additional pet waste stations with signs advertising the Town's pet waste removal policies were placed at East Point. • The Town maintained a total of 13 pet waste stations. • Pet waste management information was posted on the Town's web site and advertised on cable Channel 8. • Distributed updated fact sheets with dog licenses, dog license renewals, and at the Town sponsored spring rabies clinic. • There were zero (0) violations issued during Permit Year 4.	• Continue to distribute the updated fact sheets with dog licenses, dog license renewals, and at the Town sponsored spring rabies clinic. • Track the number of violations issued per year. • Post pet waste management information on the Town's web site. • Advertise pet waste management information on the cable Channel 8.

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
1-4	Distribute Educational Information Targeted to Community Businesses	Nahant Town Administrator Nahant Webmaster	**Summer '04** **(Revise date to Summer '05)** • Develop an educational flyer targeted to local businesses. • Distribute the educational flyer to 100% of the businesses in the municipality. • Post the informational flyer on the Town's website	***No Activities planned for Permit Year 4***	***No Activities planned for Permit Year 5***
1-5	Promote Water Conservation Practices for Homeowners	Nahant Department of Public Works Nahant Board of Selectmen's Office.	**Fall '03 – Winter '07/08** • Track the number of dye tablets distributed by the Board of Selectmen's Office. • Track the number of water-efficiency kits issued by the Board of Selectmen's Office. • Post water conservation information on the DPW's web page. • Post water conservation posters at Town Hall and the public library. **Summer '04 & '05 – '07** • Include water conservation bill inserts with the September 2004/05/06/07 water bill. • Track the number of additional bill inserts mailed each year of the permit term. **Fall '03 – Winter '07/08** • Issue an annual press release to local newspapers to promote water conservation.	• Approx. 32 dye tablets were distributed. • 0 water efficiency kits were distributed. • Water conservation information was posted on the Town's water management web page. • Water conservation posters were posted at Town Hall and the public library. • Water Conservation bill insert was included in the September 2006 water bill.	• Track the number of dye tablets distributed by the Board of Selectmen's Office. • Track the number of water-efficiency kits issued by the Board of Selectmen's Office. • Include water conservation bill inserts with the September 2007 water bill. • Track the number of additional bill inserts mailed each year of the permit term. • Leak detection services will be provided for residences during 2007
1-5a	Promote Water Conservation Practices for Homeowners	Nahant Department of Public Works Nahant Board of Selectmen's Office.	**Summer '03** • Distribute complimentary rain gauges to residents. Rain gauges are intended to promote water conservation practices by providing a means of determining how much more water, if any, a lawn may require after a rain event. • Track the number of rain gauges distributed.	***No Activities planned beyond Permit Year 1***	***No Activities planned beyond Permit Year 1***
1-6	Conduct Metal Recycling Day Events & White Goods Pickup	Nahant Department of Public Works Nahant Webmaster	**Spring, Summer & Fall of '03/04/05** • Sponsor six metal recycling day events annually. • Produce an annual flyer that outlines the Metal Recycling Day schedule for that year and make flyers available at Town Hall and the DPW Facility. • Advertise each Metal Recycling Day event on Nahant's public cable access television station, Channel 8, Bulletin Board. • Maintain and update the Metal Recycling Day and white goods pick up services information on the Town's web site. • Track the amounts and types of waste collected at each Metal Recycling Day event. • Track the amounts and types of white goods collected each year by the white goods pick up service.	• Sponsored six metal recycling events. • Produced a notice that announced the events and posted it at Town Hall and the DPW. • Advertised the events on Nahant's cable access television station Bulletin Board. • Maintained and updated the Metal Recycling Day and white goods pick up services information on the Town's web site. • During the 2006 permit year, 60 cubic yards of white goods were collected during each recycling day events. Goods collected consisted of discarded washing machines, refrigerators, dishwashers, bicycles, grills, propane tanks, computer monitors, TVs, microwave ovens, air conditioners, and miscellaneous steel products.	• Track the amounts and types of waste collected at each Metal Recycling Day event. • Track the amounts and types of white goods collected each year by the white goods pick up service.
1-7	Advertise EPA Broadcast of "After the Storm"	Nahant Town Administrator Nahant Webmaster	**Winter '03/04** • Use Nahant's official website to advertise the February 4, 2004 (11 pm EST), May 9th (8:30 and 11:30 pm EST) and June 26th (8:30 and 11:30 pm EST) broadcasts of the EPA's half-hour TV special, After the Storm.	***No Activities planned beyond Permit Year 1***	***No Activities planned beyond Permit Year 1***
1-8	Sponsor an Organic Lawn Care Workshop	Nahant Town Administrator Open Space Committee Nahant Garden Club	**Summer '03** • Sponsor a lawn care workshop based on the Pesticide Reduction Resources Guide for Citizens and Municipalities of Massachusetts. • Advertise the event.	***No Activities planned beyond Permit Year 1***	***No Activities planned beyond Permit Year 1***

1a. Additions

No additions to report.

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	Public Presentation, Access to Draft SWMP & Receipt of Comments	Nahant Town Administrator Nahant Webmaster	**Summer '03** • Hold an SWMP Informational Meeting. • Make draft SWMP available to the public and conduct public meeting and comment period. • Finalize SWMP. • Make the final SWMP accessible to the public via the Town's public library and web page.	***No Activities planned beyond Permit Year 1***	***No Activities planned beyond Permit Year 1***
2-2	Conduct Public Presentation & Receive Comment on Annual Report	Nahant Town Administrator	**Spring '04/05/06/07** • Prepare annual reports. • Submit an annual report to both the EPA and MA DEP. **(Delete these measurable goals. Revised below)** • Send an annual press release advertising the event and the status of the Town's SWMP to local newspapers and track whether or not it was published. • Advertise the public presentation on the Nahant Public Access Bulletin Board (Channel 8). • Conduct a public presentation and receive comments on the annual report. • Make records of meeting available to public.	• Submitted an annual report to both the EPA and MA DEP.	• The Town will submit the annual report to the EPA and MA DEP. • The Town will post the annual report on the Town's website.
Revised 2-2	Make Available to the Public & Receive Comment on Annual Report	Nahant Town Administrator	**Spring '05/06/07** • Post the annual Report on the Town's official website. • Post a notice advertising the status of the Town's SWMP and comment period for the annual report on the Towns Website. Accept comments via the Towns Online Contact form.		
2-3	Provide Support to Local Cleanup Activities	Nahant Department of Public Works Nahant Conservation Commission	**Spring '04** • Draft and distribute an annual letter to offering assistance with local cleanup activities to neighborhood associations, homeowner associations, beach associations, and civic groups active in Nahant. • Place information contained in letter on the Town's official website. • Track which entities the letters are sent to each year. • Track the number of cleanup activities the DPW assists in conducting each year. • Track the number of cleanup participants at each activity the DPW assists in conducting. • Track which areas of Town are cleaned by each activity the DPW assists in conducting. • Track the quantity of waste collected as a result of the cleanup activity.	• In June 2006, the Women's Club cleaned up Short Beach, Black Hawk Beach, Forty Steps Beach, Canoe Beach, Tudor Beach and Wharf Beach. The Town's assistance generally consisted of providing tools, safety items and trash pick-up services. • In the spring and fall, prisoners on a work-release program cleaned up Nahant's beaches. The Town's assistance generally consisted of providing tools, safety items and trash pick-up services.	• In June 2007, community organizations will conduct a town-wide clean-up of Nahant's beaches. The Town will provide assistance generally consisting of providing tools, safety items and trash pick-up services. • In the spring and fall, prisoners on a work-release program will also clean up Nahant's beaches, with the Town providing assistance. • The DPW will track the groups it assists during Permit Year 5.

2a. Additions

No additions to report.

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	Complete the Town's Storm Drain System Map	Nahant Town Administrator Town Clerk Nahant Planning Board Nahant Department of Public Works	**Spring '04** • Map twenty percent of the Town's Storm Drainage system each year beginning in the Spring of 2004. **Spring '05** **(Revise date to Spring '07)** • Draft and take to Town Meeting an amendment to the Nahant Subdivision Rules and Regulations that would require project proponents to submit a copy of the subdivision's as-built plans to the Planning Board in digital format. • Continuously update the storm drainage system map(s) as new components are added to the municipal storm drainage system.	• The Town completed mapping the storm drain conduits that connects the catch basins and outfalls. • The Town drafted and implemented an amendment to the Nahant Subdivision Rules and Regulations that would require project proponents to submit a copy of the subdivision's as-built plans to the Planning Board in digital format. The Town began enforcement of this new requirement.	• The Town will continuously update the storm drainage system map(s) as new components are added to the municipal storm drainage system. • The Town will continue to enforce the requirement that project proponents to submit a copy of the subdivision's as-built plans to the Planning Board in digital format.
3-2	Adopt an Illicit Discharge & Connection Stormwater ByLaw	Nahant Town Administrator Town Clerk	**Winter '04/05** **(Revise date to Winter '05/06)** • Draft the Illicit Discharge and Connection Stormwater Bylaw. **(Delete – See below)** **Spring '05** **(Revise date to Spring '06)** • Take the Illicit Discharge and Connection Stormwater By-Law to Town Meeting for acceptance. **(Delete – See below)** **Spring '05 – Winter '07/08** **(Revise date to Spring '06 – Winter '07/08)** • Track the number of enforcement actions taken. • Track the number of street opening permits.	• The Town reviewed its bylaws and determined that the bylaws for the sewer and stormwater drainage systems adequately prevent illicit discharge and connections to the stormwater drainage system. Therefore, the Town will not develop an Illicit Discharge and Connection Stormwater Bylaw. • No enforcement actions were taken during Permit Year 4.	• Throughout Permit Year 5, the Town will take enforcement actions as necessary. • The Town will track the number of street opening permits.
Revised			*After reviewing the current bylaws during Permit Year 3, the Town decided to not to draft an Illicit Discharge and Connection Stormwater Bylaw because the current bylaws adequately protect the stormwater drainage system. The Town will continue to track enforcement actions and the number of street opening permits.*		
3-3	Develop a Formal Illicit Discharge Detection and Elimination Plan	Nahant Department of Public Works	**Spring '04** **(Revise date to Spring/Summer '06)** • Develop an Illicit Discharge Detection and Elimination Plan. **(Delete – See below)** **Spring '04 – Winter '07/08** • Conduct dry-weather field screening of outfalls and track the number of surveys indicating a possible illicit connection. • Trace the source of potential illicit discharges. • Track the number of illicit connections found. • Track the number of illicit connections repaired/replaced. • Report on the success of obtaining alternative funding to assist in illicit connection removal.	• Conducted formal dry-weather screening of outfalls. • No illicit connections were found during Permit Year 4.	• The DPW will continue to conduct formal dry-weather screening of outfalls and track potential illicit connections. • The DPW will conduct wet weather testing of selected outfalls during Permit Year 5.
Revised			*After reviewing the current bylaws during Permit Year 3, the Town decided to not to develop an Illicit Discharge Detection and Elimination Plan because the current bylaws adequately protect the stormwater drainage system. The DPW will continue to conduct formal dry-weather screening of outfalls and track potential illicit connections.*		
3-4	Formalize the Town's Storm Drain Stenciling Program	Nahant Department of Public Works	**Summer '04/05/06/07** • Each year identify any catch basins that are no longer stenciled and establish schedule for the activity. (Inlets will be surveyed during catch basin cleaning.) • Track the number of drains stenciled each year. • Submit a press release to the Harbor Review.	***No Activities to report for Permit Year 4***	• The DPW will assist an Eagle Scout project to re-stencil all existing catch basins and stencil any new catch basins that have been added since the last stenciling activity.

3a. Additions

No additions to report.

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	Adopt a Stormwater Management and Land Disturbance By-law	Nahant Conservation Commission Nahant Town Administrator	**Winter '04/05** **(Revise date to Winter '06/07)** • Draft the Stormwater Management and Land Disturbance Bylaw. **Spring '05** **(Revise date to Fall '07)** • Take the Stormwater Management and Land Disturbance Bylaw to Town Meeting for acceptance. • Track the number of enforcement actions taken.	• The Town drafted a Stormwater Management and Land Disturbance Bylaw.	• The Stormwater Management and Land Disturbance Bylaw will undergo review by the Planning Board and will be presented at the September 2007 Town Meeting for acceptance.
4-2	Develop a Site Inspection Form and Conduct Site Inspections	Nahant Conservation Commission	**Spring '05** **(Revise date to Spring '07)** • Develop a Site Inspection Form that reflects the ESCP requirements. • Track the frequency of inspections conducted for each site. • Track the completion of inspection forms. • Track the number of failed ESC BMPs discovered on each site.	***No Activities planned for Permit Year 4***	• The Nahant Conservation Commission currently conducts site inspections of project sites on an as-needed basis. The proposed Stormwater Management and Land Disturbance Bylaw will give additional site inspection responsibilities to the Conservation Commission. In the past, the Conservation Commission has been effective in conducting site inspections; therefore, development of a Site Inspection Form was determined to not be necessary.
Revised			*This BMP has been revised because the Conservation Commission has been effective in conducting site inspections, and therefore, a Site Inspection Form is believed not to be necessary.*		
4-3	Develop and Implement a Citizen Complaint Hotline	Nahant Department of Public Works Nahant Webmaster	**Fall '04** **(Revise date to Fall '05) - (Delete – See below)** • Establish the Citizen Complaint Hotline. • Advertise the Citizen Complaint Hotline. • Track the number of complaints received via the Citizen Complaint Hotline. • Track the problems/incidents remedied as a result of the Citizen Complaint Hotline. • Advertise that DPW will accept calls on stormwater issues • Track the number of complaints received at the DPW regarding stormwater issues. • Track the problems/incidents remedied as a result of calls to the DPW.	• The Town accepted and logged calls regarding stormwater issues and remedied the problems as required.	• The DPW will advertise that it will accept calls regarding stormwater issues. • The DPW will track the calls regarding stormwater issues and remedy the problems as required.
Revised			*This BMP has been revised because the DPW currently accepts calls on several issues, and therefore, a Citizen Tip Line is believed not to be necessary.*		

4a. Additions

No additions to report.

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	Adopt a By-law Governing Post Construction Stormwater Management of New Developments and Redevelopments	Nahant Town Administrator Town Clerk	**Winter '04/05** **(Revise date to Winter '06/07)** • Draft the Bylaw Governing Post-Construction Stormwater Management of New Developments & Redevelopments. **Spring '05** **(Revise date to Fall '07)** • Take the Bylaw Governing Post-Construction Stormwater Management of New Developments & Redevelopments to Town Meeting for acceptance	• Post-Construction Stormwater Management of New Developments & Redevelopments was included in the Stormwater Management and Land Disturbance Bylaw.	• The Stormwater Management and Land Disturbance Bylaw will undergo review by the Planning Board and will be presented at the September 2007 Town Meeting for acceptance.

5a. Additions

No additions to report.

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	Develop a Formal Training Program for DPW Staff	Nahant Department of Public Works Supervisor Nahant Town Administrator	**Fall '04** **(Revise date to Fall '07)** • Develop the DPW employee-training manual. • Conduct training sessions with all current employees. • Train all new DPW employees in accordance with the training manual. • Track employees trained in accordance to the training manual. **Fall '04 – Winter '07/08** **(Revise date to Winter '07/08)** • Conduct refresher training for employees.	• The DPW made progress in developing the DPW employee-training manual.	• The DPW will complete development of the DPW employee-training manual. • The DPW will conduct training sessions with all current and new employees in accordance with the training manual. • The DPW will track employees trained in accordance to the training manual.
6-2	Formalize the Catch Basin Cleaning Program	Nahant Department of Public Works	**Spring '04/06** • Award biennial catch basin cleaning contract. • Document biennial cleaning activities.	• The next biennial catch basin cleaning contract was awarded in the Spring of '06, and cleaning commenced in May '06 for that contract. All catch basins were cleaned	• Catch basins in critical areas will be cleaned as needed
6-3	Formalize the Existing Parking Lot and Street Sweeping Program	Nahant Department of Public Works	**Fall '04 – Winter '07/08** • Conduct an inventory of all municipal streets and parking lots. • Track the number of times the inventoried municipal streets and parking lots are swept each year. • Maintain an accurate log of sweepings collected and method of disposal. • Re-evaluate storage practices and make improvements in order to ensure compliance with the MADEP BWP Reuse and Disposal of Street Sweepings Policy. • Update inventory of municipal streets and parking lots as needed.	• The Town's 20 miles of municipal roadway were swept four (4) times during Permit Year 4.	• The DPW will continue to sweep municipal roads at least four (4) times.
6-4	Develop a Vehicle & Equipment Maintenance Policy	Nahant Department of Public Works Supervisor	**Fall '04** **(Revise date to Fall '07)** • Develop and implement a vehicle and equipment maintenance policy • Incorporate policy requirements into the DPW employee-training program.	• The DPW made progress in the development of a written vehicle and equipment maintenance policy as part of the development of the formal employee training manual (BMP 6-1).	• The DPW will incorporate this policy into the formal employee training program manual (BMP 6-1).
			Dates have been revised to correspond with the development of the Employee Training Manual (BMP 6-1)		
6-5	Develop a Vehicle & Equipment Cleaning Policy	Nahant Department of Public Works	**Summer '03** • Construct two new wash bays at the Flash Road facility. **Fall '04** **(Revise date to Fall '07)** • Develop and implement a vehicle and equipment cleaning policy. • Incorporate policy requirements into the DPW employee-training manual and provide to the Town's Police Department and Fire Department.	• The DPW made progress in the development of a written vehicle and equipment cleaning policy as part of the development of the formal employee training manual (BMP 6-1).	• The DPW will incorporate this policy into the formal employee training program manual (BMP 6-1).
Revised			*Dates have been revised to correspond with the development of the Employee Training Manual (BMP 6-1)*		

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
6-6	Develop a Landscape and Lawn Care Policy	Nahant Department of Public Works	**Fall '04** **(Revise date to Fall '06)** • Develop and implement a landscape and lawn care policy. **(Delete)** • Provide the policy to DPW staff and lawn care providers contracted by the DPW. • Provide the policy to the Kelly Greens Golf Course management company. **(Delete)**	• During Permit Year 4, the DPW staff and lawn care providers contracted by the DPW were instructed to use organic fertilizers for all landscape and lawn care activities. • The Town's Golf Course Committee met with golf course management to review landscape and lawn care procedures. • Golf course management became a member of the Audubon Cooperative Sanctuary Program for Golf Courses.	• DPW staff and lawn care providers will use organic fertilizers for landscape and lawn care activities. • Golf course management will use organic fertilizers for landscape and lawn care activities. • The Golf Course Committee will continue to meet with golf course management to review landscape and lawn care procedures.
Revised		Nahant Golf Course Committee	• Formalize the Town's landscape and lawn care policy. **Spring '05 – Winter '07/08** • One to five times a year the Town's Golf Course Committee will meet with golf course management to review various maintenance practices that include the landscape and lawn care procedures.		
6-7	Develop and Implement a SPRP for the Flash Road Facility	Nahant Department of Public Works	**Fall '05** • Complete and implement the use of the Spill Prevention and Response Plan for the Flash Road facility. • Identify and train key individuals in the area of spill prevention, response and cleanup. • Develop an emergency spill containment and cleanup kit. • Post a summary of the Spill Prevention and Response Plan at various locations throughout facility. • Conduct an annual review of the Spill Prevention and Response Plan. • Track the number of spill and leak incidents at the facility and the actions taken for each incident.	• The DPW completed and implemented a Spill Prevention and Response Plan for the Flash Road facility. • There were no spill or leak incidents at the facility during Permit Year 4.	• The DPW will continue enforcement of the Spill Prevention and Response Plan for the Flash Road facility. • The DPW will track and respond to spill and/or leak incidents.
6-8	Apply for Funding to Conduct Pollution Remediation Activities in Nahant Thicket Watershed	Nahant Town Administrator Massachusetts Audubon Society	**Summer '03** • Apply to CZM by July 30, 2003 for CPR funding to implement the pollution remediation activities proposed in the Nahant Thicket watershed. **Spring '04 & Summer '04** • If awarded funding for the CPR FY04 grant round, proceed with project implementation for completion by June 30, 2004.	***No Activities planned beyond Permit Year 2***	***No Activities planned beyond Permit Year 2***
6-9	Formalize the Bear Pond/Golf Course Drainage Ditch Maintenance Program	Nahant Department of Public Works	**Summer '04** • Develop an operation and maintenance (O&M) plan for the Bear Pond pump station and 36-inch outfall. • Track maintenance activities for the Bear Pond pump station and 36-inch outfall. • Develop a formal Drainage Ditch Maintenance Program. **Summer '05** **(Revise date to Fall '06)** • Apply to the Nahant Conservation Commission for an Order of Conditions every three years in order to conduct activities outlined in the Town's Formal Drainage Ditch Maintenance program. • Track the scheduled maintenance activities of the Drainage Ditch Maintenance Program.	• The DPW applied for and obtained an Order of Conditions from the Nahant Conservation Commission to conduct activities outlined in the Town's Formal Drainage Ditch Maintenance program. • The DPW performed scheduled maintenance activities.	• The DPW will continue scheduled maintenance activities as outlined in the Formal Drainage Ditch Maintenance program.

6a. Additions

No additions to report.

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 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2
Revised					

7a. Additions

7b. WLA Assessment

DRAFT

Part IV. Summary of Information Collected and Analyzed

The Nahant Board of Health regularly tests water at Canoe Beach, Tudor Beach, Short Beach and Black Rock Beach for Enterococci. A summary of these sampling results for FY06-FY07 has been attached.

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)	0
Annual program budget/expenditures **	($)	$25.000(+or-)
Total program expenditures since beginning of permit coverage	($)	
Funding mechanism(s) (General Fund, Enterprise, Utility, etc)		General Fund

Education, Involvement, and Training

Estimated number of property owners reached by education program(s)	(# or %)	1,200
Stormwater management committee established	(y/n)	No
Stream teams established or supported	(# or y/n)	one
Shoreline clean-up participation or quantity of shoreline miles cleaned **	(y/n or mi.)	3 mi./year
Shoreline cleaned since beginning of permit coverage	(mi.)	9 miles
Household Hazardous Waste Collection Days		
▪ days sponsored **	(#)	2
▪ community participation **	(# or %)	30
▪ material collected **	(tons or gal)	??
School curricula implemented	(y/n)	no

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	XX				
▪ Erosion & Sediment Control				XX	
▪ Post-Development Stormwater Management		XX			
Accompanying Regulation Status (indicate with "**X**")					
▪ Illicit Discharge Detection & Elimination					
▪ Erosion & Sediment Control					
▪ Post-Development Stormwater Management					

Mapping and Illicit Discharges

	(Preferred Units)	Response
Outfall mapping complete	(%)	100%
Estimated or actual number of outfalls	(#)	60
System-Wide mapping complete (complete storm sewer infrastructure)	(%)	100%
Mapping method(s)		
▪ Paper/Mylar	(%)	
▪ CADD	(%)	100%
▪ GIS	(%)	100%
Outfalls inspected/screened **	(# or %)	75%
Outfalls inspected/screened (Since beginning of permit coverage)	(# or %)	100%
Illicit discharges identified **	(#)	0
Illicit discharges identified (Since beginning of permit coverage)	(#)	6
Illicit connections removed **	(#); and (est. gpd)	6
Illicit connections removed (Since beginning of permit coverage)	(#); and (est. gpd)	6
% of population on sewer	(%)	100%
% of population on septic systems	(%)	0%

Construction

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

Post-Development Stormwater Management

Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control	(%)	0%
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)	Once every 2yrs
Average frequency of catch basin cleaning (commercial/arterial or other critical streets) **	(times/yr)	
Qty of structures cleaned **	(#)	250
Qty. of storm drain cleaned **	(%, LF or mi.)	100%
Qty. of screenings/debris removed from storm sewer infrastructure **	(lbs. or tons)	10 ton
Disposal or use of screenings (landfill, POTW, compost, beneficial use, etc.) **	(location)	compost

Basin Cleaning Costs		
• Annual budget/expenditure (labor & equipment)**	($)	10,000
• Hourly or per basin contract rate **	($/hr or $ per basin)	$25/basin
• Disposal cost**	($)	0
Cleaning Equipment		
• Clam shell truck(s) owned/leased	(#)	2
• Vacuum truck(s) owned/leased	(#)	
• Vacuum trucks specified in contracts	(y/n)	
• % Structures cleaned with clam shells **	(%)	100%
• % Structures cleaned with vactor **	(%)	

	(Preferred Units)	Response
Average frequency of street sweeping (non-commercial/non-arterial streets) **	(times/yr)	20/yr
Average frequency of street sweeping (commercial/arterial or other critical streets) **	(times/yr)	20/yr
Qty. of sand/debris collected by sweeping **	(lbs. or tons)	25 ton
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.) **	(location)	compost
Annual Sweeping Costs		
• Annual budget/expenditure (labor & equipment)**	($)	$50,000
• Hourly or lane mile contract rate **	($/hr. or ln mi.)	??
• Disposal cost**	($)	0
Sweeping Equipment		
• Rotary brush street sweepers owned/leased	(#)	1
• 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 %)	75%
▪ Herbicides	(lbs. or %)	N/A
▪ Pesticides	(lbs. or %)	N/a
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	100% mixed with Ice-ban
Pre-wetting techniques utilized **	(y/n or %)	y
Manual control spreaders used **	(y/n or %)	y
Zero-velocity spreaders used **	(y/n or %)	?
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)	100%

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