



NPDES PII Small MS4 General Permit Annual Report

Municipality/Organization: City of Attleboro, Massachusetts

EPA NPDES Permit Number: MAR041087

MADEP Transmittal Number: W-040422

Annual Report Number: Report No. 4

Reporting Period: May 1, 2006 through April 30, 2007

Part I. General Information

Contact Person: Lee Fuller

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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:

Kevin J. Dumas

Title:

Mayor

Date:

April 30, 2007

Part II. Self-Assessment

The City of Attleboro has completed the required self-assessment and has determined that our municipality is in compliance with all permit conditions, except for the following provision:

Part II.F

BMP 6-1 (“An appropriate biodegradable, phosphorus-free detergent will be identified and purchased for the DPW, Fire Department, and Police Department to use when washing vehicles.”) was not met; this BMP will be completed during Project Year 5.

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	Article/brochure about stormwater mailed to residents and businesses	Environmental Planner	An article/brochure made available at City Hall and the public library and distributed to all residents and businesses during Permit Year 2 and Permit Year 4.	<p>16,000 stormwater education brochures specific to the City of Attleboro were printed and purchased. Brochures were distributed to the public at City Hall and other appropriate municipal buildings. A malfunction with the City Tax Collector’s mail folding machine precluded mailing the brochures in utility bills.</p> <p>Several hundred brochures were mailed out during permit Year 4 as part of an education program.</p> <p>The brochures are available at City Hall and throughout municipal buildings, libraries and schools for public distribution.</p>	<p>The Planning Department will reassess the distribution mechanism and the brochures will be mailed to city residents during Permit Year 5.</p> <p>The brochures will continued to be mailed out and used for educational purposes as part of the Conservation Commission duties and will be available at City Hall and throughout municipal buildings, libraries and schools for public distribution.</p>

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
1-2	Update City website to include information on stormwater management issues	Environmental Planner / Conservation Commission	City website updated to include information on stormwater management issues.	The City of Attleboro website (www.cityofattleboro.us) has been updated to include information and education materials relating to stormwater and non point source pollution. The web site includes the City's Stormwater Management Plan (SWMP), Permit Year 1, 2 and 3 Annual Reports, educational brochures and graphics, and a link to the Ten Mile River Watershed Stormwater Education Project website funded by a §604b grant from DEP. The site was revised and updated during Permit Year 4.	The stormwater and non point source pollution page of the City website will be maintained and updated with appropriate information throughout the permit term by the Conservation Agent and the MIS Department.
1-3	Assist with cleanup days for rivers and waterbodies within City limits	Environmental Planner / Health Department / Department of Public Works	City may provide assistance to private organizations in the form of labor and disposal equipment but not formal sponsorship.	A planned clean-up day was performed on April 28, 2007 along the Ten Mile River walkway. Approximately 25 volunteers performed clean up of the Riverfront Area as well as the banks and Ten Mile River. Additionally, several areas of erosion were identified for future stabilization.	At least one planned cleanup will be conducted along the Ten Mile River or other waterbodies with City assistance during Permit Year 5. A large area of Japanese Knotweed (<i>Polygonum cuspidatum</i>) will be eradicated in the Fall of Permit Year 5 along the Ten Mile River walkway.
1-4	Stormwater education program for school children	Environmental Planner	A presentation and/or classroom and field time given to City middle and/or high school(s)	The Environmental Planner has met with staff responsible for ecology and environmental sciences programs at the Wamsutta Middle School and through an ecology program, will incorporate stormwater and non point source pollution issues into curriculum.	The Environmental Planner will look to expand upon the educational opportunities throughout the local middle and high schools during Permit Year 5.

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
1-5	Present stormwater management issues to organizations in the City	Environmental Planner	A presentation given to at least one group annually.	Presentations were not performed during Permit Year 4 due to staff turnover. Discussions with several non-municipal partners has occurred and several presentation will occur during Permit Year 5.	Presentation will be given to private and/or public groups during Permit Year 5.
1-6	Educate dog owners about picking up dog waste	Environmental Planner / City Clerk	A pet waste fact sheet mailed to all dog owners in annual dog registration mailing.	The notice was not mailed this year in the annual dog registration due to a change in the Municipal Dog Ordinance at the time of the mailing. The Notice is available at the Town Clerks office for dissemination.	A new Notice will be created for Permit Year 5 with the newly adopted changes to the Municipal Dog Ordinance and will be mailed to all dog owners in the annual dog registration mailing.
1-7	Install and maintain stormwater and pet waste clean-up signs at schools and parks	Park & Forestry Department / Recreation Department	The number of signs installed, number of signs inspected.	Pet waste cleanup signs have been installed at all City recreation facilities where pets are allowed, and at all City parks. In addition, these facilities provide pet waste litterbags and trash receptacles for proper disposal.	Pet waste cleanup signs will be maintained throughout the permit term.
1-8	Staff a table with information about stormwater at Earth Day event each year	Health Department / Environmental Planner	A table staffed each year. The number of brochures handed out.	Stormwater education brochures and a portable informational display kiosk specific to the City of Attleboro and the Ten Mile River Watershed have been designed in conjunction with the Ten Mile River Watershed Stormwater Education Project funded by a §604b grant from DEP. In addition, general stormwater outreach materials including brochures and posters have been ordered and received from EPA.	The stormwater education brochures and display posters will be available at Earth Day events during Permit Year 4 and annually throughout the permit term.

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
1-9	Continue to staff a table at weekly "Wednesday Night Market". Expand information dispensed to include stormwater-related topics.	Health Department / Environmental Planner	A table staffed each year. The number of brochures handed out.	The "Wednesday Night Market" was discontinued and no longer occurs.	Should a similar program begin during Permit Year 5, we will attempt to implement this BMP. Otherwise, we will ask to delete this BMP from our SWMP for the remaining permit term.
1-10	Annual update of the Stormwater Management Plan at a televised Municipal Council meeting.	Environmental Planner / Department of Public Works	Annual update of SWMP at a televised Municipal Council meeting.	An annual update was not performed during Permit Year 4 due to staff turnover.	An update of SWMP activities including copies of this annual report will be presented during a Municipal Council meeting in May/June 2007.
1-11	Appear on local access television talk show on City issues to discuss stormwater management issues.	Planning Department / Health Department / Department of Public Works	Periodic discussion of the importance of stormwater management presented to local access television.	Discussions with the Attleboro Public Access channel were begun on developing a regular program relating to stormwater issues and wetlands issues. This program will include interviews with Conservation Commissioners and the Environmental Planner. Additionally, several bulletin board slides pertaining to stormwater issues have been developed to be broadcast on the "Community Bulletin Board".	The Environmental Planner will work with staff from the Attleboro Public Access channel to broadcast the bulletin board information as well as begin development of the television program during Permit Year 5.
1-12	Post information on stormwater management issues on local access television.	Environmental Planner	Stormwater information posted and updated on local access cable television channel during periods of non-programming.	Discussions with the Attleboro Public Access channel were begun on developing a regular program relating to stormwater issues and wetlands issues. This program will include interviews with Conservation Commissioners and the Environmental Planner. Additionally, several bulletin board slides pertaining to stormwater issues have been developed to be broadcast on the "Community Bulletin Board".	The Environmental Planner will work with staff from the Attleboro Public Access channel to broadcast the bulletin board information as well as begin development of the television program during Permit Year 5.

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1-13	Post signs and develop and distribute brochures on Wall Street Highway Yard Stormwater Improvements project	Department of Public Works / Environmental Planner	Post signs and distribute information describing the project and its water quality benefits upon completion of construction.	This project entails the implementation of a comprehensive stormwater management plan for the City's DPW Wall Street Highway Yard. The project was funded in part by a grant from DEP's Section 319 Non-point Source Pollution Competitive Grant Program. The City has completed the installation of all drainage inlets, treatment units, associated pipelines, and one bio-retention filter. Work for the project has been completed.	Public education information will be developed in compliance with grant requirements and the SWMP by June 2007.
1-14	Distribute and display stormwater education materials within public buildings.	Environmental Planner	The number of days display is available. The number of brochures distributed.	Stormwater education brochures and a portable informational display kiosk specific to the City of Attleboro and the Ten Mile River Watershed have been designed in conjunction with the Ten Mile River Watershed Stormwater Education Project funded by a §604b grant from DEP. In addition, general stormwater outreach materials including brochures and posters have been received from EPA. The stormwater brochures are made available to construction contractors and the public at the following City offices: Planning Department, Building Inspection Department, and DPW.	The watershed specific stormwater education materials including the display kiosk are displayed regularly at City Hall, the Attleboro Public Library, and other public buildings throughout Permit Year 5.

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	Comply with state public notification guidelines at MGL Ch. 39 Section 23B.	Department of Public Works / Environmental Planner / Health Dept	Public notices posted in designated locations.	Public notices are posted in compliance with MGL Ch. 39 Section 23B requirements.	Continue to post proper public notices throughout the permit term.
2-2	Stencil catch basins with "don't dump" message.	Department of Public Works / Environmental Planner	The number of catch basins stenciled.	Stencils with wording: "Dump No Waste Drains to River" and "Dump No Waste Drains to Ten Mile River" have been ordered and received. These stencils, along with an instructional brochure have been produced in conjunction with the Ten Mile River Watershed Stormwater Education Project funded by a §604b grant from DEP. Stenciling will be conducted by private citizen or school groups with instruction and assistance from City personnel.	Stencil up to 100 catch basins during Permit Year 5.

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	Conduct dry weather outfall screening	Department of Public Works	The percent of outfalls screened.	The City has mapped its stormwater collection system (see BMP 3-2 & 3-3) including all of its known outfalls. A total of 549 outfalls have been identified and mapped using a geographic information system (GIS). City staff, along with an engineering consultant, have attempted to field locate each outfall and screen each for dry weather flow. A total of 405 outfalls have been located and screened in the field. The locations (including x, and y coordinates) of each outfall have been inputted into the GIS (see also BMP 3-2 & 3-3) along with a photograph, and field notes relating to dry weather flow.	The City will use field screening information to prioritize outfalls for further investigation in its search for illicit discharges (see BMP 3-4). A total of 144 mapped outfalls were not located in the field. The City will conduct additional field activities throughout the permit term in an effort to locate each of these outfalls and screen them for dry weather flow.
3-2	Map stormwater outfalls and receiving waters	Environmental Planner / Department of Public Works	Map of all known outfalls and their receiving waters created.	The City has mapped its stormwater collection system (see BMP 3-1 & 3-3) including all of its known outfalls and their receiving waters. A total of 549 outfalls have been identified and mapped. The stormwater collection system has been included as a separate layer in the City's GIS system (see BMP 3-3). The locations of outfalls have been field-verified and located using either GPS technology or traditional surveying techniques. This information has been inputted into the GIS system.	A total of 144 mapped outfalls were not located in the field. The City will conduct additional field activities throughout the permit term in an effort to locate each of these outfalls and determine their status. The GIS drainage layer will continue to be revised and updated throughout the permit term as existing outfall structures are located, repaired, or modified, and as additional drainage components (e.g. new developments or new structures added to existing systems) are constructed.

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
3-3	Map the stormwater collection system in a GIS	Environmental Planner / Department of Public Works	Create map of stormwater system.	The City has mapped its stormwater collection system (see also BMP 3-1 & 3-2) including all of its known catch basins, pipelines, manholes, and outfalls. The stormwater collection system has been included as a separate layer in the City's GIS system. DPW maintains records of all drainage system repairs, upgrades, and expansions.	The stormwater collection system layer of the GIS system has been revised to include field-verified locations, descriptions and screening data for each identified outfall (see BMP 3-1 & 3-2). The GIS drainage layer will continue to be revised and updated throughout the permit term as existing structures are repaired or modified, and as additional drainage components (e.g. new developments or new structures added to existing systems) are constructed. The GIS will be updated in Permit Year 5 to include all drainage system modifications performed in Permit Year 2, Year 3 and Year 4.

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
3-4	Develop and implement plan to identify and remove non-stormwater discharges	Environmental Planner / Department of Public Works	Number of illicit connections found and removed.	The City has attempted to field locate each outfall and screen each for dry weather flow. A total of 405 outfalls were located and screened in the field. Conditions at each outfall were noted and a photograph was taken of each. This information has been included in the stormwater layer of the City's GIS system. A total of six (6) outfalls with dry weather flow and/or obvious signs of contaminants were noted and were evaluated further for evidence of illicit connections. This further evaluation did not identify any evidence of illicit connections to these outfalls and the source of flows in each was determined and found to be innocuous or an isolated event. As the source of dry weather flow to each outfall was identified and determined to be from a source other than illicit connections, no TV inspections were necessary.	The City will continue to evaluate dry weather flows and inspect drainage components for illicit connections as necessary. A database will be developed to track inspections and observations of dry weather flows. Those outfalls with dry weather flows suspected of contamination will be investigated.
3-5	Develop ordinance that prohibits non-stormwater connections to the municipal separate storm sewer system (MS4), gives the City authority to access buildings to search for illicit connections, and allows the City to require redirection of any illicit connections found.	City Attorney / Planning Department / Department of Public Works	A draft ordinance developed and presented to Municipal Council.	Ordinances prohibiting non-stormwater connections to the MS4 and allowing municipal authority to remove existing illicit connections were reviewed. Several models from other communities and government agencies were considered and are being used as the framework for drafting an ordinance specific to Attleboro.	An ordinance will be drafted and presented to the Municipal Council for consideration by the winter of Permit Year 5.

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
3-6	Continue inspection of new construction for correct connection	Department of Public Works / Dept of Water and Wastewater	New construction inspected.	The Department of Water and Wastewater inspects every permitted connection for new construction to ensure that water and sanitary sewer lines are correctly tied to municipal service lines. The DPW inspects new stormwater management system components to ensure that they are constructed in accordance with approved plans.	This program will continue throughout the permit term.

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	Construction site erosion and sedimentation control ordinance for construction sites greater than 1 acre in area	City Attorney / Planning Department / Department of Public Works	A draft ordinance developed and presented to Municipal Council.	Ordinances requiring an erosion and sediment control plan and waste management plan at construction sites greater than one acre in size were reviewed. Several models from other communities and government agencies were considered and are being used as the framework for drafting an ordinance specific to Attleboro.	An ordinance will be drafted and presented to the Municipal Council for consideration by the winter of Permit Year 5.
4-2	Require construction site operator to submit monthly erosion and sediment control inspection reports for sites greater than 1 acre.	Department of Public Works	Inspection reports submitted to the City.	No activities were conducted relative to this BMP during Permit Year 4.	The implementation of this BMP is contingent on the Municipal Council adopting the construction site erosion and sediment control ordinance discussed in BMP 4-1.
4-3	Review site plans for stormwater impacts	Environmental Planner / Planning Board / Conservation Commission / Zoning Board of Appeals	The number of site plans reviewed for erosion and sediment control.	The Planning Board, Conservation Commission, and Zoning Board of Appeals regularly review all proposed development plans for proper erosion and sediment controls during construction.	Municipal boards will continue to review proposed development plans. Additionally, developments of greater than one acre in size which may not be subject to plan review by these boards will be subject to review contingent on the Municipal Council adopting the construction site erosion and sediment control ordinance discussed in BMP 4-1

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
4-4	Consider public input	Environmental Planner / Planning Board	Public review and comment periods held; signs posted at each construction site.	Those developments that are permitted by the Planning Board, Conservation Commission, and Zoning Board of Appeals are reviewed at public hearings in which public comments are accepted. No additional activities were conducted relative to this BMP during Permit Year 4.	The implementation of this BMP beyond those developments currently reviewed by the Planning Board, Conservation Commission, and Zoning Board of Appeals is contingent on the Municipal Council adopting the construction site erosion and sediment control ordinance discussed in BMP 4-1.

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	Develop ordinance to apply Standards 2, 3, 4, 7, and 9 of the Massachusetts Stormwater Policy to the entire City. Present to Municipal Council.	City Attorney / Planning Department / Department of Public Works	A draft ordinance developed and presented to Municipal Council.	Ordinances requiring specific performance standards as presented in the Massachusetts Stormwater Management Policy for development sites greater than one acre in size were reviewed. Several models from other communities and government agencies were considered and are being used as the framework for drafting an ordinance specific to Attleboro.	An ordinance will be drafted and presented to the Municipal Council for consideration by the winter of Permit Year 5.
5-2	Specify a stormwater BMP manual to be used for consistent design and performance standards	Environmental Planner	BMP manual selected.	No activities were conducted relative to this BMP during Permit Year 4.	The implementation of this BMP is contingent on the Municipal Council adopting the stormwater management ordinance discussed in BMP 5-1.
5-3	Ensure long-term maintenance of structural BMPs.	City Attorney / Planning Department	A draft ordinance developed and presented to Municipal Council.	No activities were conducted relative to this BMP during Permit Year 4.	The implementation of this BMP is contingent on the Municipal Council adopting the stormwater management ordinance discussed in BMP 5-1.

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	Employee training program.	Department of Public Works / Environmental Planner	The number / percent of DPW employees who receive stormwater training each year.	All appropriate staff (approximately 25 individuals) from the DPW, Forestry, Parks & Recreation, and Health Departments participated in annual pollution prevention training. In addition, personnel from these departments have received brochures and educational information relating to stormwater pollution and many have directly participated in the implementation of the Wall street Highway Yard Stormwater Improvement Project that was recently completed (see BMP 6-18). Still others have participated in field activities associated with the mapping of storm drain outfalls and the identification of dry weather flows and elicit connections (see BMPs 3-1 & 3-2). The DPW attended a workshop provided by the MADEP in April to review the wetlands regulations and stormwater related issues.	Appropriate staff will continue to receive training and educational information pertaining to stormwater pollution throughout the permit term. Information will be specific to activities routinely undertaken by City employees in the performance of their regular duties. Training may coincide with spill prevention and response training provided by Health Department (see BMP 6-7).

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
6-2	Continue street and parking lot sweeping.	Department of Public Works	Tons of material removed from roadways and public parking lots annually.	The Department of Public Works swept each public street and parking lot during the spring using both City-owned and contracted sweepers. In addition, downtown streets are swept twice weekly throughout warm weather months and others may be swept during the year on an as-needed basis. Material is properly disposed of as cover in a permitted City-owned landfill. The City removed an estimated 470 tons of sand and debris from City roadways during Permit Year 4.	The City will continue to sweep all public streets and parking lots as needed throughout the permit term.

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
6-3	Storm drain maintenance	Department of Public Works	Percent of catch basins cleaned annually.	The City maintains an estimated 3,730 stormwater catchbasins. The Department of Public Works cleans catch basins regularly throughout the year using a truck mounted “clam shell” device. In addition, a contracted “vactor” truck is hired as needed to remove accumulated sediments from drainage structures when it is determined that City-owned equipment would be inadequate to remove the material. Residuals are properly disposed of as cover in a permitted City-owned landfill. An estimated 643 catch basins were cleaned – with an estimated 470 tons of sand and debris removed – during Permit Year 4. DPW staff evaluates maintenance needs including equipment and record keeping in an effort to prioritize work and improve efficiency.	The City will continue to maintain drainage structures and remove accumulated sediments from catch basins and pipelines as needed throughout the permit term. DPW staff will utilize the GIS system to better track catch basin and drainage line cleanings and prioritize work.
6-4	Evaluate street sweeping and catch basin cleaning equipment	Department of Public Works	Evaluation of existing equipment.	The City DPW currently operates one truck mounted “clam shell” device for cleaning catch basins. In addition, the City operates two street sweeping vehicle and several smaller motorized sweepers for cleaning small parking lots and sidewalks. Each Spring, the City contracts with a private vendor for additional street sweeping services. The City purchased one new street sweeping vehicle during Permit Year 2.	The DPW is considering the purchase of a “vactor” truck to more efficiently clean basins and drainage pipelines (see BMP 6-3). The purchase of this type of vehicle is currently included in the City’s Capital Improvements Plan for FY 2008 as a “Priority 1” project. See page 58 of the 2008–2012 CIP Plan.

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6-5	Roadway deicing	Department of Public Works	Reduction in the amount of deicers used (compared to past years with similar snowfall and demand) and environmental impacts.	The DPW along with private contractors working under DPW direction implement the City's winter roadway deicing program. Roadways are treated with a mixture of sand and salt as conditions warrant. Downtown streets are treated with salt only. During winter 2006-2007, the City applied an estimated 2,485 tons of sand and 1,875 tons of salt to City roadways. The sand / salt mixture is stockpiled under separate cover. DPW staff evaluated the deicing program to improve efficiency and effectiveness and to limit the amount of deicing materials placed on roadways while maintaining public safety.	DPW staff will continue to monitor industry standards and utilize methods of roadway deicing that are efficient and effective throughout the permit term.
6-6	Proper snow disposal	Department of Public Works	Designated snow disposal areas identified.	DPW staff has reviewed DEP's snow disposal guidelines and have sought to identify appropriate snow disposal locations within close proximity to downtown. Only snow removed from roadways and sidewalks within the downtown business district are transported for disposal. Several public and private parcels that meet DEP disposal guidelines were identified and utilized during the winter 2006-2007.	DPW staff will dispose of snow removed from roadways and sidewalks in accordance with DEP disposal guidelines throughout the permit term.

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6-7	Continue spill prevention and response training at DPW facility.	Department of Public Works / Health Department	The periodic training of employees	The Health Department retains the services of an outside waste management consultant to provide periodic spill prevention and response training to DPW employees working at the Wall Street Highway Yard. Participants are provided with handouts including a training manual for spill response a copy of the <i>Emergency Response Guidebook</i> . The City has also purchased two self-contained portable spill response kits, which are maintained at the Wall Street Highway Yard. Personnel are trained in the appropriate use of these materials as first responders to a spill of oil or hazardous materials.	Training session will be held periodically throughout the permit term as needed according to employee turnover.
6-8	Develop written spill prevention and response plan for DPW facility.	Department of Public Works / Health Department	A written spill response plan developed and updated annually.	The Health Department has constructed a new hazardous waste storage building to temporary store wastes collected from the public (see BMPs 6-15 & 6-16) and from municipal operations. This new hazardous waste storage building is located at Pond Street.	The Health Department will begin to utilize the new building for its hazardous waste storage and will develop a SPRP plan for the new facility.
6-9	Continue to maintain hazardous materials inventory.	Department of Public Works / Fire Department / Health Department	Maintenance of hazardous materials inventory system.	The Health Department and Fire Department maintains an inventory of hazardous materials used by City departments as well as documentation of hazardous waste generated and disposed of by the City.	The Health Department and Fire Department will continue to document hazardous materials and waste used and generated by City departments throughout the permit term.
6-10	Minimize impacts from vehicle maintenance	Department of Public Works	The reduction in amount of hazardous materials used.	The DPW minimizes the use of hazardous materials at their Wall Street Highway Yard to the extent practicable.	The DPW will continue to explore ways to minimize the use of hazardous materials at their Wall Street Highway Yard throughout the permit term.

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6-11	Minimize impacts from vehicle washing.	Health Department / Department of Public Works / Fire Department / Police Department	Investigate current vehicle washing practices and recommend improvements. Decline in use of soap. Switch to biodegradable soap.	The Health Department has investigated vehicle-washing practices by the DPW, Fire, and Police Departments and is searching for an appropriate biodegradable, phosphorus-free detergent for these departments to use.	An appropriate biodegradable, phosphorus-free detergent will be identified and purchased for the DPW, Fire Department, and Police Department to use when washing vehicles.
6-12	Park and landscape maintenance.	Park & Forestry Department / Recreation Department	The amount of herbicides & fertilizers used.	Park & Forestry Department field personnel are trained in the proper application of fertilizers, herbicides, and pesticides at all City parks. In addition, the Recreation Department is staffed by one licensed pesticide applicator that is responsible for the application of all fertilizers, herbicides, and pesticides at City recreation facilities. These departments keep records of the amounts of these materials used throughout the year.	The Park & Forestry Department and Recreation Department will continue to staff trained personnel. These departments will also maintain records of fertilizers, herbicides, and pesticides used throughout the permit term.
6-13	Continue tree planting and maintenance program.	Park & Forestry Department / Recreation Department	The number of trees planted.	The Department of Parks and Forestry planted approximately 10 trees on public roadways and properties during Permit Year 4. The City has also begun the development of a tree farm for use for City projects and currently has 75 trees in the tree farm.	The tree-planting program will continue throughout the permit term and the City tree farm will be maintained.

6-14	Illegal dumping control.	Department of Public Works / Health Department	The number of signs posted. The number of sites cleaned up	The Health Department routinely investigates reports of illegal dumping of waste throughout the city. The Health Department attempts to identify the responsible party and order cleanup. When necessary, the DPW will remove waste material for proper disposal. Signs are posted warning of violations for illegal dumping. The Health Department and/or DPW posted signs and removed waste from dumping areas.	The Health Department will maintain records of all identified illegal dumping areas and cleanup/enforcement actions taken beginning in Permit Year 4 and through the remainder of the permit term.
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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
6-15	Continue to hold Annual Household Hazardous Waste Collection Day.	Health Department	Household hazardous waste collection monthly during non-winter months. Bulk items collected by appointment throughout the year.	The Health Department conducted collections for paint products, automotive wastes, batteries, and fluorescents for city residents on the first Saturday of the month from April through November. This program was used by an average of more than 215 residents per event and collected approximately 1,897 tires, 4,433 gallons of waste oil, 10,589 gallons of latex/oil paint, 413 gallons of antifreeze, 578 propane tanks, 524 florescent lamps, 6 5-gallon pails of alkaline batteries, 774 auto batteries, 387 tons of CRT/electronics and 6 55-gallon drums of used oil filters. All waste material collected was received by a licensed waste disposal contractor and removed for proper disposal.	The Health Department has scheduled paint product and automotive waste collection days for the first Saturday of the month from April through June and from August through November. These events will be held annually throughout the permit term.

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
6-16	Continue to provide monthly waste drop off days.	Health Department	Paint products and automotive wastes collected from residents monthly during non-winter months. Bulk items collected by appointment throughout the year.	The Health Department conducted collections for paint products, automotive wastes, batteries, and fluorescents for city residents on the first Saturday of the month from April through November. This program was used by an average of more than 215 residents per event and collected approximately 1,897 tires, 4,433 gallons of waste oil, 10,589 gallons of latex/oil paint, 413 gallons of antifreeze, 578 propane tanks, 524 florescent lamps, 6 5-gallon pails of alkaline batteries, 774 auto batteries, 387 tons of CRT/electronics and 6 55-gallon drums of used oil filters. All waste material collected was received by a licensed waste disposal contractor and removed for proper disposal.	The Health Department has scheduled paint product and automotive waste collection days for the first Saturday of the month from April through June and from August through November. These events will be held annually throughout the permit term.
6-17	Continue enforcement of pet waste pick-up ordinance. Continue frequent trash barrel emptying to encourage proper disposal.	Health Department / Animal Control Officer / Department of Public Works / Parks & Forestry Department / Recreation Department.	Reduction of complaints if any in public areas; frequency of trash barrel emptying.	The City's Animal Control Officer enforces the pet waste pick-up ordinance throughout the city. In addition, the Park & Forestry Department and Recreation Department enforce the ordinance within City parks and recreation facility properties. The Conservation Agent has performed 4 mailings with information relative to pet waste pick-up to areas where complaints have been received.	City staff will continue to enforce the pet waste pick-up ordinance throughout the permit term and will disseminate information as deemed necessary.

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
6-18	Implement stormwater improvements at Wall Street Highway Yard	Department of Public Works / Environmental Planner	Construction of stormwater improvements project.	This project entails the implementation of a comprehensive stormwater management plan for the City's DPW Wall Street Highway Yard. The project was funded in part by a grant from DEP's Section 319 Non-point Source Pollution Competitive Grant Program. The City has completed the installation of all drainage inlets, treatment units, associated pipelines, and one bio-retention filter. Work for the project has been completed.	Construction activities related to this project were completed during Permit Year 4. In addition, the DPW will complete the construction of a new salt storage shed in the summer of 2007. The construction cost is \$102,984.00 (to date, the City has spent \$95,687.00) See page 88 of the City of Attleboro's fiscal year 2008- <u>2012 Capital Improvements Program</u> . Maintenance of stormwater management system components, public education materials, and the pollution prevention plan will continue throughout the permit term.
6-19	Enter into agreement with Historic Preservation Officer to mitigate potential impacts to Blackinton Houses & Park.	Environmental Planner / Department of Public works	A written agreement with the Historic Preservation Officer obtained and appended to the SWMP.	The DPW is working with the Massachusetts Highway Department to replace the decking of the World War I Memorial Bridge over the Bungay River at Blackinton Pond during this permit term. DPW is exploring ways to integrate improvements to the North Main Street drainage system into this project.	The Environmental Planner will contact the Historic Preservation Officer to discuss an agreement once a design for stormwater improvements has been prepared by DPW.

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

Not Applicable. TMDLs have not been developed for any of the impaired water bodies in Attleboro.

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

Programmatic

Stormwater management position created/staffed	(y/n)	No
Annual program budget/expenditures	(\$)	Not Determined

Education, Involvement, and Training

Estimated number of residents reached by education program(s)	(# or %)	15%
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	(y/n or mi.)	No
Household Hazardous Waste Collection Days		
▪ days sponsored	(#)	9 Days
▪ community participation	(# of residents)	1,945 +/-
▪ material collected	(#, pounds, tons or gallons)	1,897 tires 4,433.6 gallons of waste oil 10,589.6 gallons of latex/oil paint 413 gallons of antifreeze 578 propane tanks 524 florescent lamps 6 5-gallon pails of alkaline batteries 774 auto batteries 387 tons of CRT/electronics 6 55-gallon drums of used oil filters

School curricula implemented	(y/n)	Yes
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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		X		
▪ Erosion & Sediment Control		X		
▪ Post-Development Stormwater Management		X		

Mapping and Illicit Discharges

Outfall mapping complete	(%)	100%
Estimated or actual number of outfalls	(#)	549
System-Wide mapping complete	(%)	100%
Mapping method(s)		
▪ Paper/Mylar	(%)	100%
▪ CADD	(%)	0%
▪ GIS	(%)	100%
Outfalls inspected/screened	(# or %)	405 or 74%
Illicit discharges identified	(#)	0
Illicit connections removed	(#) (est. GPD)	None
% of population on sewer	(%)	65% +/-
% of population on septic systems	(%)	35% +/-

Construction

Number of construction starts (>1-acre)	(#)	7+/-
Estimated percentage of construction starts adequately regulated for erosion and sediment control	(%)	100%
Site inspections completed	(# or %)	100%
Tickets/Stop work orders issued	(# or %)	2
Fines collected	(# and \$)	0
Complaints/concerns received from public	(#)	Not Determined

Post-Development Stormwater Management

Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control	(%)	85%
Site inspections completed	(# or %)	Not Determined
Estimated volume of stormwater recharged	(GPY)	Not Determined

Operations and Maintenance

Average frequency of catch basin cleaning (non-commercial/non-arterial streets)	(times/yr)	1
Average frequency of catch basin cleaning (commercial/arterial or other critical streets)	(times/yr)	1
Total number of structures cleaned	(#)	643
Storm drain cleaned	(LF or mi.)	Not Determined
Quantity of screenings/debris removed from storm sewer infrastructure	(lbs. or tons)	470 Tons
Disposal or use of sweepings (landfill, POTW, compost, recycle for sand, beneficial use, etc.)		Private Contractor
Cost of screenings disposal	(\$)	None

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)	104 +/- (Downtown)
Quantity of sand/debris collected by sweeping	(lbs. or tons)	2,208 tons
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.)	(location)	Private Contractor
Cost of sweepings disposal	(\$)	None

Vacuum street sweepers purchased/leased	(#)	None
Vacuum street sweepers specified in contracts	(y/n)	No

Reduction in application on public land of: (“N/A” = never used; “100%” = elimination)		
▪ Fertilizers	(lbs. or %)	Not Determined
▪ Herbicides	(lbs. or %)	Not Determined
▪ Pesticides	(lbs. or %)	Not Determined

Anti-/De-Icing products and ratios	% NaCl % CaCl ₂ % MgCl ₂ % CMA % Kac % KCl % Sand	25% 75%
Pre-wetting techniques utilized	(y/n)	No
Manual control spreaders used	(y/n)	Yes
Automatic or Zero-velocity spreaders used	(y/n)	No
Estimated net reduction in typical year salt application	(lbs. or %)	Not Determined
Salt pile(s) covered in storage shed(s)	(y/n)	Yes
Storage shed(s) in design or under construction	(y/n)	A new salt storage shed was constructed in Permit Year 3 and the old shed is utilized for storage of sand/salt mix.