

Municipality/Organization: Town of Weymouth

EPA NPDES Permit Number: MA041070

MaDEP Transmittal Number: W-035571

**Annual Report Number
& Reporting Period:** No. 4: April 1, 2006 – March 31, 2007

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: Andrew P. (Chip) Fontaine, P.E. **Title:** Town Engineer

Telephone #: 781-337-5100, ext. 318 **Email:** cfontaine@weymouth.ma.us

Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: _____

Printed Name: David M. Madden

Title: Mayor

Date: _____

Part II. Self-Assessment

In 2001, the Town of Weymouth (“Town”) entered into a \$200,000 contract with engineering consultants BETA Group, Inc. (“BETA”), to develop a watershed master plan for Whitman’s Pond which, in separate sections, is both a recreational resource and part of the Town’s drinking water supply. That project included analysis of stormwater impacts and recommendations to mitigate stormwater pollution. Half of the funding for that project was provided by the Massachusetts (MA) Department of Environmental Management (“DEM”).

In 2002, the Town fully funded a \$330,000 contract with BETA to create the first draft of the Town’s Storm Water Management Plan (SWMP). A major component of both of these projects was to clean all town catch basins and inspect the entire drain system. The inspection data was used to create town-wide drain system mapping and data management in a Geographic Information System (GIS).

Although these projects represent a major financial commitment by the Town, as well as a significant technical data collection and analysis effort, these accomplishments are in addition to pre-existing Town stormwater management activities (nowadays referred to as Best Management Practices or “BMPs”). Some of these BMPs have been performed by the Town itself while others are being performed by grassroots organizations. These existing BMPs are identified in Part III of this report.

In July of 2004, town representatives involved with development of the SWMP met with USEPA representatives to review our program thus far (see attached letter dated 8/23/04). SWMP development efforts have since included work on the items identified in the EPA letter as identified below.

Notice of Intent (NOI)

The town has obtained plans of Massachusetts Highway Department (MHD) drainage in Weymouth in the past and will continue to do so. In recent discussion with MHD, we are told that MHD is currently in the process of mapping the locations of all of their outfalls as part of their SWMP effort. The Town recently provided Mass. Highway’s consultant engineer (ENSR) with Town of Weymouth GIS data layers showing Town drainage along MHD corridors for use in developing MHD’s SWMP. We will continue to coordinate storm water management with MHD, including obtaining updated drain system/outfall mapping and providing them with our GIS drain system layer when they have a need for it. Starting during the period covered by the 2006 annual report and being completed this past fall, the town successfully coordinated construction of a modification to a MHD drain in Rte. 53 that redirected highway runoff away from the South Cove of Whitman’s Pond which is part of the town’s drinking water supply.

Our SWMP will prioritize identification and removal/reduction of bacteria levels in storm water, particularly where pathogens are identified as impacting certain receiving waters. Our draft SWMP does identify the water bodies that are identified as Category 5 (impaired/threatened, requiring a TMDL) in the MA Integrated List of Waters [Clean Water Act Sections 303(d) and 305(b)] although

MA DEP has yet to develop final TMDLs for these water bodies.

The Town has completed the required self-assessment and has determined that our municipality is in compliance with all permit conditions except the following provisions:

Part II.A.1, 2 The Town has been working on complete drafts of the SWMP, written by BETA, for about four years now. It continues to be evaluated by the DPW and other affected town departments. Although the Town's NOI has attempted to identify all necessary actions to comply with Part II.B, various details of the SWMP are still being revised to ensure that the Town accomplishes the NPDES goals to the maximum extent practicable, therefore this provision is still in process of being met.

Part II.B.1-6 Any provisions of Part II.B.1 - 6 that have not been met are detailed in Part III below.

Part II.B.8 The town encourages BMPs that promote groundwater recharge and Standard 3 of the state Storm Water Management Policy. Although the town does plan to develop these, either within the SWMP or as part of the DPW Rules, Regulations and Construction Specifications, specific groundwater recharge/infiltration policies have not yet been developed.

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 Revised | Classroom Education | School Dept. | High school Environmental Science class will include stormwater management issues. | Stormwater pollution awareness and management issues have been included in this class for the last 14 years. The major topics covered are: watersheds and land uses, impact of impervious surface on I/R ratios, types of non point source pollution, storm water pollutants, storm water infrastructure, storm water management and BMPs, impact of storm water on surface waters, sanitary sewers, sewage treatment and septic tanks, eutrophication and several labs dealing with testing storm water quality and the quality of the receiving surface waters. | This classroom training will continue. When finalized, the town’s SWMP will be made available to the class. |
| 1-2 Revised | Flyer and Brochure Distribution | DPW | Obtain stormwater-related flyers and distribute them to the public | The town continued its partnership with the Greenscapes program with the North and South Rivers Watershed Association (NSRWA), other environmental agencies, and 11 other South Shore communities. Greenscapes flyers were distributed in water & sewer bills. Also mailed to all residents was the 2006 Greenscapes Reference Guide (see http://www.nsrwa.org/greenscapes/factsheets.html for online version). | Additional flyers will be developed/ obtained and will be distributed, including as utility bill inserts. |
| 1-3 | Using the Media | DPW | Once a year, do a local cable TV public service announcement. Twice a year do a newspaper press release/article. | Household hazardous waste day, which is held in fall and spring, was announced on cable TV, emailed to members of a town email list, posted on the South Shore Recycling Cooperative website, and published in the newspaper. Town- | This practice will continue with increasing focus on specific stormwater management issues. The town plans to air the EPA video “After the Storm” on |

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|---------|----------------------------|-----|--|--|--------------------------------|
| Revised | | | | | |
| 1-4 | Hazardous Waste Management | DPW | Conduct Household Hazardous Waste Collection Day twice a year. Will be advertised in newspaper. Quantity of waste collected will be tracked. | Household Hazardous Waste Collection Day is conducted in the spring and in the fall and is advertised in the newspaper and sent to all subscribers of the town email list. This year 937 residents dropped off various items containing hazardous materials at the DPW garage during the 2 days. During the rest of the year, an additional 5,000# of flammable paint and 31,000# of latex or oil based paint were picked up by General Chemical Corp. and 2,077 TVs, 1,287 computer monitors, 42 refrigerators, 121 air conditioners, 79 microwave ovens, and 32,492# of assorted other electronic items were picked up by CRT Recycling (see attachments). | These practices will continue. |
| Revised | | | | | |

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 Revised | Adopt-A-Stream/Drain Program | DPW | All town water bodies will be adopted. Track amount of trash removed. | The Whitman’s Pond Association, the Herring Run Warden and the Isaac Walton Fishing Association continue to “adopt” Whitman’s Pond, the Herring Run and Old Swamp River, respectively. The Fore River Watershed Association adopted the Fore River. Initiated preliminary discussions with District Councilors about Adopt-A-Stream/Drain program. Amount of collected trash is tracked (see 2-2 below; unknown for Old Swamp River). | Will continue to work with District Councilors on getting an Adopt-A-Stream/Drain program started. District Town Councilors will be contacted to consider notifying local groups such as civic associations, Boy Scout troupes, etc., of the possibility of adopting additional town water bodies. Amount of trash removed will be tracked. |
| 2-2 Revised | Pond & Stream Cleanup & Monitoring | DPW | Coordinate and track cleanup activities | Cleanup Days were held for Whitman’s Pond and approximately 8 tons of metal and 2 tons of non-metal debris disposed of at the DPW yard, the Herring Run, Old Swamp River and the Fore River cleanup was also provided with use of a 30 CY dumpster. The Whitman’s Pond Committee, the Herring Run Warden and the Fore River Watershed Association are non-municipal partners. | With assistance from the DPW, the Whitman’s Pond Association, the Herring Run Warden and the Isaac Walton Fishing Association, will continue to have these activities. Additional pond and stream cleanups will also be arranged based on the development of the Adopt-A-Stream/Drain Program. |
| 2-3 Revised | Stencil Storm Drains | DPW | Stencil 300 or more catch basins each year. | More catch basins that are in the Whitman’s Pond watershed, as needed based on previously stenciled paint fading or never before stenciled, were stenciled by the Whitman’s Pond Association using stencils and paint purchased by the DPW. | Additional catch basins will be stenciled as needed. |

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|---------|---------------------------|--------------|---|---|--|
| 2-5 | Community Hotline/Weblink | DPW | Create a Stormwater Hotline/Weblink. Track # of calls and remedied problems. | The town continued to maintain a Stormwater web page with a hotline/weblink. It is part of the DPW web page on the town website. http://www.weymouth.ma.us/dpw/index.asp?id=2917 There is also a link to contact the Mayor or DPW for emergencies and there are Mayor's Hotlines (800-297-5733 & 800-335-8606). There is also a town emailing list which residents can sign up for to be notified of town activities, including cleanups. The Greenscapes Newsletter is also accessible from the town DPW web page and contains a link to the Greenscapes website. http://www.weymouth.ma.us/dpw/index.asp?id=2587 | Continue to update the SWMP webpage on the town web site. Track calls and problem remedies. |
| Revised | | | | | |
| 2-6 | Public Workshops | DPW | Develop and advertise public workshops to disseminate information to and receive input from the public. | The DPW Water & Sewer Division, together with the North & South Rivers Watershed Association and the Mass. Bays Program, developed a Greenscapes free workshop which was held during May of 2006. It described ways to protect the environment by reducing the need for water and chemicals. | Public workshops will be planned and advertised with a frequency goal of at least one per year. |
| Revised | | | | | |
| 2-8 | Pet Waste Collection | Town Council | Create and enforce an ordinance. Track # of signs posted. | The town has an ordinance to fine people who do not clean up after their dog (Ordinance 6-801). The town continues to provide pet waste warning signs and "Mutt Mitt" dispensers at the three high use areas (Weston Park, Humphrey Field, and School House Rd. soccer fields) to encourage dog owners to clean up their pet's waste. This year, the town, working with the MA Department of Conservation and Recreation, got new "Mutt Mitt" dispensers installed at Webb State Park. Local athletic clubs provide bags at the dispensers. | Continued investigation into options. Implementation of any option(s) found to be feasible and affordable. |
| Revised | | | | | |
| Revised | | | | | |

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 Revised | Inspect and sample all town discharges | DPW | Continue program to locate, sample and test. | All outfalls were inspected and dry weather flows sampled and tested in Year 1. In Year 2, when requested by the Health Dept. or when any potential surface water pollution was suspected, more samples were obtained and tested. | When identified, suspect discharges will be sampled and tested. |
| 3-2 Revised | System mapping development | DPW | Complete system map. Add soils and land use maps. | Townwide GIS drain system mapping was completed and we have printed an atlas set of drain system maps. 6 drain structures, including outfalls, manholes and catch basins, were located using GPS or conventional methods by DPW staff and 22 updates to the Drain Atlas were made. Soil and land use exists as GIS layers. | Additional GPS of inlets and outfalls to be done by DPW. |
| 3-3 Revised | Illegal dumping enforcement/education | DPW | Flyers; track and prosecute illegal dumping. | Existing ordinances prohibit discharge of untreated waste, garbage, etc. Signs prohibiting dumping of waste have been posted at various locations throughout town. A closed container exists next to the DPW building so residents can dispose of their motor oil. Five “no dumping” signs were installed this year at yard waste drop off locations, and Town beaches.. | Will continue to create signs and post them in areas known for illegal dumping. Create and distribute flyers. |
| 3-4 Revised | Septic system controls | Health Dept. | Track #, location and inspection of septic systems. | In 2006, 38 septic system sites were switched to the town sewer system, leaving 639 septic systems currently still in use. | Create a Health Dept. regulation that identifies the requirements and conditions under which properties with septic systems will need to connect to the town sewer system. Continue converting properties on septic systems to sewer. |

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|---------|------------------------------------|-----|---|---|--|
| 3-5 | Create illicit discharge ordinance | DPW | Eliminate illicit discharges to the drain system. | Existing ordinances prohibit discharge of untreated waste, garbage, etc. (Ordinances 6-901, 6-1214, 7-401, 11-101 and 12-103) Representatives from DPW, Planning, Health and Conservation are currently working on a draft of an illicit discharge ordinance that will be submitted to the Mayor and Town Council for approval. | Complete and enact a town illicit discharge ordinance. |
| Revised | | | | | |

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 | Ordinance review and update | Town Council & Planning Dept. | Develop erosion and sediment control ordinance/regulation. | Representatives from DPW, Planning, Health and Conservation are currently working on a draft of an erosion and sediment control (stormwater management) ordinance that will be submitted to the Mayor and Town Council for approval. | Complete and enact a town erosion and sediment control (stormwater management) ordinance. |
| Revised | | | | | |
| 4-2 | Construction inspection | DPW & Building Dept. | Track inadequate sites/plans and # of non-compliant permit. | Continued discussions regarding specific procedures for a stormwater related inspections and tracking system. The Building, Public Works and Conservation Depts. inspected various construction projects as required under existing procedures and addressed stormwater related issues where noted. | Planning and Engineering will continue to meet with Conservation Administrator and the Building Dept. to develop a reporting system and an inspector training program with respect to SWMP requirements. |
| Revised | | DPW, Conservation, Planning & Building Depts. | | | |
| Revised | | | | | |
| Revised | | | | | |

4a. Additions

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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 | Regulations for post-construction runoff | Town Council/DPW | Develop public works construction rules and regs., including storm drain connection regulation. | Draft documents developed by consultant (BETA Group) and DPW staff. Review process underway. | Continue working towards completion and issuance of a DPW rules, regulations & construction specifications document. |
| Revised | | DPW | | | |
| 5-2 | BMP inspection and maintenance | DPW | Inspect structural BMPs once a year; document problems. | Drainage structures were inspected where deemed necessary. The DPW has begun utilizing a structural BMP tracking spreadsheet to identify structure characteristics and track inspections. | Continue identification of structural BMPs in the Drain GIS and add to BMP tracking spreadsheet. Evaluate manpower requirements for inspection and maintenance. Inspect BMPs if available manpower allows. |
| Revised | | | | | |
| Revised | | | | | |
| Revised | | | | | |

5a. Additions

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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 Revised | Catch basin cleaning program | DPW | Develop program, collect data, refine program. | Approximately half of the catch basins have been cleaned this year by the DPW and a town-hired contractor. A record to track catch basins cleaned is now being used. A contractor was hired to clean some catch basins to assist the DPW crews. | Half of the town’s catch basins will be cleaned. Prioritization will be given to specific “higher need” areas such as the Great Pond and Whitman’s Pond watersheds. Continue Drain GIS data collection and work on refining catch basin cleaning program. |
| 6-2 Revised | Street sweeping | DPW | Sweep all roads annually, track quantity of sweepings. | All roads swept. Approximately 6000 cubic yards of sand was swept up. | Sweep all roads. Continue to track quantity of sweepings. |
| 6-3 Revised | Pipe inspections | DPW | Inspect drain lines on as-needed basis. | Numerous drain lines were inspected. At times, this is accomplished with a remote TV camera but its transporter is not designed for drain pipe use. | Continue inspections as needed. Purchase the required transporter to allow video camera access to all drain lines if funding can be obtained. |
| 6-4 Revised | Pipe cleaning | DPW | Clean and flush drain lines as needed. | Approximately 1,500 linear feet of drain lines were cleaned out by flushing with high pressure hose. | Continue cleaning pipes as needed. |
| 6-5 Revised | New pipe & structural installations | DPW | Replace drain pipes, catch basins and other drain structures as needed. | 85 catch basins were replaced or repaired. | Drain structures will be replaced or repaired where required. |
| Revised | | | | | |

6a. Additions

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|---------|-------------------|------------------|--|--|---|
| 6-6 | Employee Training | DPW/ Planning | Develop and implement employee SWMP training program. | Continued to review sample training material obtained from the EPA, including recommended web sites. | Continue working on development of employee SWMP training program, including one for inspectors. |
| Revised | | | | | |
| 6-7 | Spill Containment | DPW/Fire | Implement structural components and training to address spill containment at the DPW | Spill containment training was provided to DPW personnel by the Fire Dept. to ensure proper use of the kit that is in place next to the DPW refueling area. In addition to action by town departments, Clean Harbors (http://www.cleanharbors.com/) is contacted immediately upon knowledge of a hazardous material spill to assist in the containment and cleanup. | Additional spill containment equipment, training and procedures will be implemented at the DPW as required. Also planning to work with the Fire Dept. to identify and evaluate their spill containment procedures for spills at any location in town. |
| Revised | | | | | |

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 4 (Reliance on non-municipal partners indicated, if any) | Planned Activities – Permit Year 5 |
|-----------------|--|--------------------------------------|--|---|--|
| 1-1 Revised | Classroom Education | School Dept. | High school Environmental Science class will include stormwater management issues. | Stormwater pollution awareness and management issues have been included in this class for the last 14 years. | This classroom training will continue. The town's SWMP will be made available to the class. |
| 2-2 Revised | Pond & Stream Cleanup & Monitoring | DPW | Coordinate and track cleanup activities | Cleanup Days were held for Whitman's Pond and approximately 8 tons of metal and 2 tons of non-metal debris disposed of at the DPW yard, the Herring Run, Old Swamp River and the Fore River cleanup was also provided with use of a 30 CY dumpster. The Whitman's Pond Committee, the Herring Run Warden and the Fore River Watershed Association are non-municipal partners. | With assistance from the DPW, the Whitman's Pond Association, the Herring Run Warden and the Isaac Walton Fishing Association, will continue to have these activities. Additional pond and stream cleanups will also be arranged based on the development of the Adopt-A-Stream/Drain Program. |
| 2-3 Revised | Stencil Storm Drains | DPW | Stencil 300 or more catch basins each year. | More catch basins that are in the Whitman's Pond watershed were stenciled by the Whitman's Pond Association using stencils and paint purchased by the DPW. | Additional catch basins will be stenciled. |
| 3-1 Revised | Inspect and sample all town discharges | DPW | Continue program to locate, sample and test. | All outfalls were inspected and dry weather flows sampled and tested in Year 1. In Year 2, when requested by the Health Dept. or when any potential surface water pollution was suspected, more samples were obtained and tested. | When identified, suspect discharges will be sampled and tested. |
| 3-3 | Illegal dumping enforcement/education | DPW | Flyers; track and prosecute illegal dumping. | Existing ordinances prohibit discharge of untreated waste, garbage, etc. Signs | Will continue to create signs and post them in areas known for illegal |

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|---------|--|--|--|--|--|
| Revised | | | | | |
|---------|--|--|--|--|--|

7a. Additions

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|--|--|--|--|--|--|

7b. WLA Assessment

The MA DEP has not yet developed final TMDLs for any Weymouth’s water bodies that are identified as Category 5 (impaired/threatened, requiring a TMDL) in the MA Integrated List of Waters [Clean Water Act Sections 303(d) and 305(b)].

Continued cleaning of all town catch basins (approximately 4,000) every other year provides a tremendous benefit by removing waste and pollutants from the stormwater that then flows into water resources. Sweeping all town streets likewise prevents the sand, dirt and road debris that carries pollutants from entering the drain system and eventually polluting the environment. A new record keeping procedure was initiated in December ’06 to track what catch basins are cleaned and note any structural deficiencies, which will improve catch basin maintenance and functionality. In the first four months, approximately 500 catch basins were cleaned and inspected.

The Town is reviewing the Whitman’s Pond watershed master plan and the SWMP, both developed by BETA, for potential final revision and acceptance. Although numerous BMPs are currently in use and more will be implemented per the recommendations in the BETA reports, a detailed Waste Load Allocation Assessment has not yet been done. The Town will work towards performing this assessment in time to be included in the 2007 annual report.

Part IV. Summary of Information Collected and Analyzed

As the GIS-based Drain Atlas maps are used by various departments, we are constantly updating and correcting the existing data. During report year 4, 22 updates were made to our Drain GIS, and 6 drain inlet/outlet & other structure locations were accomplished by DPW staff. Work by DPW staff will continue to enhance the accuracy and completeness of this data. This will include identification and database development of all town structural BMPs.

The significant quantities of hazardous waste and recycled materials identified in Section III.1-4 confirms that the town is providing an important service to residents who are very willing to properly dispose of these materials when a means to do so is available. The impact on storm water quality and the environment in general from these programs, as well as the various water body adoptions, clean-up days, Mutt Mitt dispensers, and conversions from septic system to sewer, is a difficult to quantify, but undeniable, benefit.

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

| | | Response |
|---|------------------------|----------|
| Stormwater management position created/staffed | (y/n) | |
| Annual program budget/expenditures ** | (Preferred \$) (Units) | |
| Total program expenditures since beginning of permit coverage | (\$) | |
| Funding mechanism(s) (General Fund, Enterprise, Utility, etc) | | |
| | | |

Education, Involvement, and Training

| | | |
|--|--------------|--|
| Estimated number of property owners reached by education program(s) | (# or %) | |
| Stormwater management committee established | (y/n) | |
| Stream teams established or supported | (# or y/n) | |
| Shoreline clean-up participation or quantity of shoreline miles cleaned ** | (y/n or mi.) | |
| Shoreline cleaned since beginning of permit coverage | (mi.) | |
| Household Hazardous Waste Collection Days | | |
| ▪ days sponsored ** | (#) | |

| | | |
|------------------------------|---------------|--|
| ▪ community participation ** | (# or %) | |
| ▪ material collected ** | (tons or gal) | |
| School curricula implemented | (y/n) | |
| | | |

Legal/Regulatory

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

Mapping and Illicit Discharges

| | | Response |
|--|---------------------|----------|
| Outfall mapping complete | (%) | |
| Estimated or actual number of outfalls | (Preferred #) Units | |
| System-Wide mapping complete (complete storm sewer infrastructure) | (%) | |
| Mapping method(s) | | |
| ▪ Paper/Mylar | (%) | |
| ▪ CADD | (%) | |
| ▪ GIS | (%) | |
| Outfalls inspected/screened ** | (# or %) | |
| Outfalls inspected/screened (Since beginning of permit coverage) | (# or %) | |
| Illicit discharges identified ** | (#) | |
| Illicit discharges identified (Since beginning of permit coverage) | (#) | |

| | | |
|--|------------------------|--|
| Illicit connections removed ** | (#); and (est. gpd) | |
| Illicit connections removed (Since beginning of permit coverage) | (#); and (est. gpd) | |
| % of population on sewer | (%) | |
| % of population on septic systems | (%) | |

Construction

| | | Response |
|--|--------------------------|----------|
| Number of construction starts (>1-acre) ** | (#) | |
| Estimated percentage of construction starts adequately regulated for erosion and sediment control ** | (%) (Preferred Units) | |
| 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 | (%) | |
| Site inspections (for proper BMP installation & operation) completed ** | (# or %) | |
| BMP maintenance required through covenants, escrow, deed restrictions, etc. | (y/n) | |
| Low-impact development (LID) practices permitted and encouraged | (y/n) | |

Operations and Maintenance

| | | |
|--|-------------------|--|
| Average frequency of catch basin cleaning (non-commercial/non-arterial streets) ** | (times/yr) | |
| Average frequency of catch basin cleaning (commercial/arterial or other critical streets) ** | (times/yr) | |
| Qty of structures cleaned ** | (#) | |
| Qty. of storm drain cleaned ** | (%, LF or mi.) | |
| Qty. of screenings/debris removed from storm sewer infrastructure ** | (lbs. or tons) | |
| Disposal or use of screenings (landfill, POTW, compost, beneficial use, etc.) ** | (location) | |

| | | |
|---|-------------------------|--|
| Basin Cleaning Costs | | |
| • Annual budget/expenditure (labor & equipment)** | (\$) | |
| • Hourly or per basin contract rate ** | (\$/hr or \$ per basin) | |
| • Disposal cost** | (\$) | |
| Cleaning Equipment | | |
| • Clam shell truck(s) owned/leased | (#) | |
| • Vacuum truck(s) owned/leased | (#) | |
| • Vacuum trucks specified in contracts | (y/n) | |
| • % Structures cleaned with clam shells ** | (%) | |
| • % Structures cleaned with vacor ** | (%) | |

Response

| | | |
|---|---------------------------------|--|
| Average frequency of street sweeping (non-commercial/non-arterial streets) ** | (times/yr) | |
| Average frequency of street sweeping (commercial/arterial or other critical streets) ** | (times/yr) (Preferred Units) | |
| Qty. of sand/debris collected by sweeping ** | (lbs. or tons) | |
| Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.) ** | (location) | |
| Annual Sweeping Costs | | |
| • Annual budget/expenditure (labor & equipment)** | (\$) | |
| • Hourly or lane mile contract rate ** | (\$/hr. or ln mi.) | |
| • Disposal cost** | (\$) | |
| Sweeping Equipment | | |
| • Rotary brush street sweepers owned/leased | (#) | |
| • Vacuum street sweepers owned/leased | (#) | |
| • Vacuum street sweepers specified in contracts | (y/n) | |
| • % Roads swept with rotary brush sweepers ** | % | |
| • % Roads swept with vacuum sweepers ** | % | |

| | | |
|--|-------------|--|
| Reduction (since beginning of permit coverage) in application on public land of: ("N/A" = never used; "100%" = elimination) | | |
| ▪ Fertilizers | (lbs. or %) | |
| ▪ Herbicides | (lbs. or %) | |
| ▪ Pesticides | (lbs. or %) | |
| Integrated Pest Management (IPM) Practices Implemented | (y/n) | |
| | | |

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

Water Supply Protection

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

Municipality/Organization: Town of Weymouth

EPA NPDES Permit Number: MA041070

MaDEP Transmittal Number: W-035571

**Annual Report Number
& Reporting Period:** No. 4: April 1, 2006 – March 31, 2007

NPDES PII Small MS4 General Permit Annual Report

ATTACHMENTS

1. NSRWA Greenscapes flyers; used as inserts in water and sewer bills, (2 pages).
2. NSRWA Greenscapes mailing brochure (original is 20 pages), 4/22/06 (2 pages).
3. Public notices/articles: Household Hazardous Waste Collection Day, Weymouth Herring Run Clean Up Day (5 pages).
4. Records from Clean Harbors: number of vehicles at Household Hazardous Waste Collection Days (2 pages).
5. Records from General Chemical Corp. and CRT Recycling: quantities of paints, electronics, and other recyclables collected (4 pages).