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Municipality/Organization: Town of Hanson, MA

EPA NPDES Permit Number: MA041037

MaDEP Transmittal Number: W-035899

Annual Report Number

& Reporting Period: No. 10: April 1, 2012 -March 31, 2013

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: Robert Brown

Title: Town Highway Surveyor

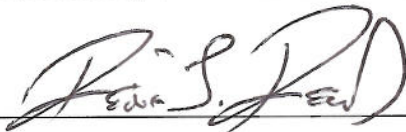
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Certification:

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: Renè Read

Title: Town Administrator

Date:

4/29/2013

Part II. Self-Assessment

In general, the Town of Hanson's stormwater management activities for the tenth year of the General Permit (April 1, 2012 through March 31, 2013) were in conformance with the Notice of Intent (Massachusetts DEP form BRP WM 08A) and schedule submitted in July 2003. The Town developed a Stormwater Management Plan with program priorities for 2003-2008 including:

1. Achieving regulatory compliance, particularly EPA and DEP Phase II NPDES permit requirements;
2. Incorporating storm water protection measures into municipal activities;
3. Focusing activities on target pollution reduction (e.g. Section 303.d. waters and protecting the Town's water supply);
4. Ensuring that the Program is current and innovative; and
5. Providing Program administration.

The Water Quality Stewardship element of the program will focus on the protection of the local water supply and addressing the State's Section 303.d waters located within the Town. To this end, staff will continue to develop and improve the Program activities to reduce storm water pollution to the maximum extent practicable and eliminate prohibited non-storm water discharges, while facilitating understanding and involvement in storm water management by various Town departments. Program priorities will also focus on increased efforts to reduce target pollutants and restore local water bodies.

The Town is committed to working with local watershed associations to advance their goals and objectives. Another high priority of staff will be to keep abreast of the latest technology and approaches to achieve storm water management. Program activities will also strive to encourage environmental stewardship and continue to build on partnerships with other agencies, neighboring towns, and the community for active participation in accomplishing the Program mission.

The activities performed during Permit Year Ten focused on upgrading the Town's local ordinances. Toward that end, a complete review of Town Bylaws was conducted, and two new bylaws were drafted for the prevention of illicit discharges and control of construction-related stormwater impairment. These bylaws are undergoing review by Town Departments. Additionally, the Town drafted an IDDE Plan and O&M Plan for Stormwater infrastructure.

The Town also continued with control measures that were initiated during the previous permit year, including improving local good housekeeping programs; and communicating the Town's Plan to local watershed associations.

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 10 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 11
1	Partnership with local Watershed Associations	Con. Comm., Highway, BOH	Regular Meeting Attendance	Continued updating, investigating alternative funding opportunities (such as 604b and 319 grants).	Continue updating, seek alternative funding opportunities (such as 604b and 319 grants).
2	Develop Brochures	Water	Quarterly Mailings	Water department mailings and water quality updates.	Include stormwater flyer within mailings.
3	WEB Site Public Service Postings	IT Dept., Highway	WEB Site Publication & Maintenance	NSRWA information transfer and data publication of data, local WEB updates	NSRWA information transfer and data publication of data, local WEB updates

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 10 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 11
4	Water Quality Testing	Highway	2 Rounds of Water Quality Sampling of Priority Water Bodies Annually	On hold pending issuance of new EPA General Permit to ensure correct parameters tested	Continue water quality testing in accordance with new EPA General Permit.
5	Community Cleanup Days	Highway		Conducted in Spring 2012	Scheduled for Spring 2013

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 10 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 11
6	Catch Basin/Outfall and Receiving Water Mapping	Highway	GIS Mapping	Continued connectivity, outfall and catch basin mapping and completion of GIS mapping as part of IDDE Plan (catchment ranking)	Continue connectivity, outfall and catch basin mapping and completion of GIS mapping
7	Water Quality Testing	Highway	Testing of Priority Water Bodies	On hold pending issuance of new EPA General Permit.	Continue water quality testing in accordance with new EPA General Permit.
8	Regulatory Review	Highway, Planning Board, BOH, Con. Comm.	Regulatory Revisions and Action	Drafted bylaw for acceptance at Town Meeting.	Present bylaw at Spring 2013 Town Meeting.
9	Permit Enforcement	Highway, Planning Board, BOH, Con. Comm.	Local Construction Site Oversight and Enforcement	Ongoing to comply with local bylaws, state and federal requirements.	Ongoing to comply with local bylaws, state and federal requirements.
10	Misconnection/Illegal Dumping and Correction	Highway, BOH	Connectivity Mapping, Bylaw Enforcement and Fines	Continue GIS mapping and local bylaw enforcement	Continue GIS mapping and local bylaw enforcement

Additional Activities: Drafted IDDE Plan with Catchment Ranking.

4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 10 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 11
11	Regulatory Review	Highway, Planning Board, BOH, Con. Comm.	Regulatory Revisions to Bylaws as Necessary	Drafted bylaw for acceptance at Town Meeting.	Present bylaw at Spring 2013 Town Meeting.
12	Permit Enforcement	Highway, Planning Board, BOH, Con. Comm.	Local Construction Site Oversight and Enforcement	Ongoing to comply with local bylaws, state and federal requirements.	Ongoing to comply with local bylaws, state and federal requirements.
13	Improved As-Built Review	Highway, Planning Board	Electronic As-Built Submittals on Town GIS System	Continued GIS mapping	Continue GIS mapping and develop protocol for submitting as-builts electronically

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 10 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 11
14	Regulatory Review	Highway, Planning Board, BOH, Con. Comm.	Regulatory Revisions to Bylaws as Necessary	Drafted bylaw for acceptance at Town Meeting.	Present bylaw at Spring 2013 Town Meeting.
15	Permit Enforcement	Highway, Planning Board, BOH, Con. Comm.	Local Construction Site Oversight and Enforcement	Ongoing to comply with local bylaws, state and federal requirements.	Ongoing to comply with local bylaws, state and federal requirements.

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 10 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 11
16	Improved Street Sweepings	Highway		All streets swept during this permit year	Continue to sweep all streets within the Town.
17	Improved Catch Basin Cleanings	Highway		All catch basins cleaned during this permit year.	Continue to clean all catch basins during this permit year. Commence implementation of Catch Basin cleanings in accordance with newly drafted MS4 infrastructure O&M Plan
18	Household Hazardous Waste Days	Highway		Annual Collection	Annual Collection
19	Drain Stenciling	Highway	Aquifer Protection Area	No stenciling completed this period	Stencil drains in Aquifer Protection Area
20	Employee Training	Highway	Seminar Attendance	Employees (Highway/Concom) attended storm water training seminar held at the highway garage in the Spring of 2013	Will continue to identify and attend appropriate training sessions

Additional Item:

In 2012-2013, the Town drafted an Operations and Maintenance Plan for its MS4 infrastructure.

Part IV. Summary of Information Collected and Analyzed

Permit Year 1 Activities and Information

During Permit Year 1, the Town reviewed the local, state and federal bylaws relative to stormwater and aquifer protection, and determined that they adequately regulated, and were in conformance with the Massachusetts Stormwater Management Policy. Minor revisions may be required for informing local project proponents of the Phase II one-acre NPDES requirement.

The Town received a project approval certificate from the Massachusetts Water Abatement Trust State Revolving Fund for \$238,000 and continued the process of mapping its storm drainage system. The Town also began field screening of outfalls for both dry and wet conditions under the SRF program.

Permit Year 2 Activities and Information

During Permit Year 2, an outfall inspection program identified 170 outfall locations, and performed dry and wet weather field screening at 67 of the locations. These locations were field screened for the following:

1. pH;
2. Temperature;
3. Total Dissolved Solids;
4. Specific Conductance; and
5. Turbidity.

Based on the field data, 8 of the outfall locations were resampled for the following during 2004:

1. E-coli;
2. Total Phosphorous,
3. Dissolved Phosphorous,
4. Ammonia,
5. Surfactants, and
6. Total Suspended Solids.

Of these samples, one location had elevated levels of e-coli above the State's Secondary Maximum Contaminant level of 126 (colonies/100 mL). Elevated levels of e-coli may be representative of warm blooded animals (such as humans) or cold blooded animals. Following the wet weather testing and further discussions with the Town, additional testing of Fecal Coliform bacteria or Fecal Strep may be recommended to ascertain potential sources.

The Town continued to provide updates to the public through water bill mailings and postings on the local website, and will continue to work with local watershed associations on possible funding sources and ways in which to promote volunteerism. The Town has also taken part in employee training seminars sponsored by the Plymouth County Highway Association (PCHA).

Permit Year 3 Activities and Information

During the Permit Year 3, the Town continued its review of local, state and federal bylaws relative to stormwater and aquifer protection, and determined that they continue to be adequately regulated and in conformance with the Massachusetts Stormwater Management Policy. The Town also continued its long range GIS mapping of its storm drainage system and increased its public awareness efforts. Work was conducted under Massachusetts Water Abatement Trust State Revolving Funds.

The Town will continue to provide updates to the public through water bill mailings and postings on the local website, and will continue to work with local watershed associations on possible funding sources and ways in which to promote volunteerism. The Town has also taken part in employee training seminars sponsored by the Plymouth County Highway Association (PCHA), and will continue to improve its good housekeeping programs. An employee training seminar was conducted by the PCHA during the Summer 2005.

Permit Year 4 Activities and Information

During the Permit Year 3, the Town continued its review of local, state and federal bylaws relative to stormwater and aquifer protection, and determined that they continue to be adequately regulated and in conformance with the Massachusetts Stormwater Management Policy. The Town also continued its long range GIS mapping of its storm drainage system and increased its public awareness efforts. The Town also closed its expenditures from the Massachusetts Water Abatement Trust State Revolving Fund for its project and is currently seeking alternative funding sources from Town Meeting.

The Town continued to provide updates to the public through water bill mailings and postings on the local website, and continued to work with local watershed associations on possible funding sources and ways in which to promote volunteerism. An employee training seminar was conducted by the PCHA during the Summer 2006.

Permit Year 5 and 6 Activities and Information

During the Permit Years 5 and 6, the Town continued its review of local, state and federal bylaws relative to stormwater and aquifer protection, and determined that they continue to be adequately regulated and in conformance with the Massachusetts Stormwater

Management Policy. The Town also continued its long range GIS mapping of its storm drainage system and increased its public awareness efforts. The Town also is currently seeking alternative funding sources from Town Meeting.

The Town continued to provide updates to the public through water bill mailings and postings on the local website, and continued to work with local watershed associations on possible funding sources and ways in which to promote volunteerism. An employee training seminar was conducted by the PCHA during the Summer 2007 and 2008.

Permit Years 7 - 10 Activities and Information

During the Permit Years 7 through 10, the Town continued its review of local, state and federal bylaws relative to stormwater and aquifer protection, and determined that the two new bylaws were required to be drafted. Those have been reviewed by the Town Department and are scheduled to be presented at Town Meeting this Spring. The Town also continued its long range GIS mapping of its storm drainage system and increased its public awareness efforts. Hanson Highway Department completed a drainage connectivity survey of the Town and translated this effort into a GIS map of their drainage system. Additionally, the Town drafted an IDDE plan and O&M MS4 Infrastructure Plan for their use in compliance with the MS4 General Permit requirements.

The Town will continue to provide updates to the public through water bill mailings and postings on the local website, and will continue to work with local watershed associations on possible funding sources and ways in which to promote volunteerism. The Town has also taken part in employee training seminars sponsored by the Plymouth County Highway Association (PCHA), and will continue to improve its good housekeeping programs.