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TOWN OF HANOVER
DEPARTMENT OF PUBLIC WORKS
40 POND STREET
HANOVER, MASSACHUSETTS 02339-1693

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April 29, 2008

Ann Herrick – CIP
U.S. Environmental Protection Agency – Region 1
1 Congress Street, Suite 1100
Boston MA 02114-2023

RE: NPDES Phase II Small MS4 General Permit
Town of Hanover, Massachusetts Annual Report
MADEP Transmittal No. W-035898
EPA Permit Number MA041036

Dear Ms. Herrick:

The Town of Hanover, Massachusetts is pleased to provide you with the attached National Pollutant Discharge Elimination System (NPDES) Phase II Small MS4 General Permit Annual Report for the period from April 1, 2007 to March 31, 2008. In general, the Town has developed a stormwater management program and will continue to implement activities in accordance with regulatory requirements and as available funding will allow.

Should you have any questions, please do not hesitate to call me at (781) 826-3189.

Sincerely,

Victor J. Diniak
Superintendent of Public Works

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5/8/08

Municipality/Organization: Town of Hanover, MA

EPA NPDES Permit Number: MA041036

MaDEP Transmittal Number: W-035898

Annual Report Number
& Reporting Period: No. 5: April 1, 2007 -March 31, 2008

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: **Victor Diniak** Title: **Superintendant of Public Works**

Telephone #: **781-826-3189** Email: **vdiniak@hanoverdpw.org**

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: Robert S O'Rourke

Printed Name: **Robert S. O'Rourke**

Title: **Board of Public Works, Chairman**

Date: **April 29, 2008**

Part II. Self-Assessment

In general, the Town of Hanover's stormwater management activities for the fifth year of the General Permit (March 2007 through March 2008) were in conformance with the Notice of Intent (Massachusetts DEP form BRP WM 08A) and schedule submitted in July 2003. The Town has 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 continues to 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 continues 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.

To these ends, the Town of Hanover has been working on funding for an Assessment of Land Use Activities and Environmental Impacts within the North River Watershed. The funding was initially applied for under a Section 604B Grant, with the support of local regulators and the North and South Rivers Watershed Association (NSRWA), and was eventually funded locally in 2006. The Town is in the process of soliciting engineering services in accordance with local and state bid requirements. The activities performed during Permit Year Five also focused on the continued development of a Town-wide Geographic Information System, including the connectivity of the drainage system to (and verification of) structures that have been mapped.

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.

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
6	Catch Basin/Outfall and Receiving Water Mapping	DPW	GIS Mapping	April 15, 2001 aerial photography serving as basis for mapping updates of local developments and drainage system connectivity.	Continued mapping updates of local developments and drainage system connectivity.
Revised					
4	Water Quality Testing	DPW	Testing of Priority Water Bodies	Obtained funding for the Wastewater and Land Use Study in the North River watershed area and source identification	Act upon the Wastewater and Land Use Study for the South end of Town
Revised					
7	Regulatory Review	DPW, Planning Board, BOH, Con. Comm.	Regulatory Revisions and Action	Implemented local regulatory revisions.	Continue to implement regulations and revise as appropriate
Revised					
8	Permit Enforcement	DPW, 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.
Revised					
9	Misconnection/Illegal Dumping and Correction	DPW, BOH	Connectivity Mapping, Bylaw Enforcement and Fines	Continued GIS mapping and continued local bylaw enforcement	Complete GIS mapping and continue local bylaw enforcement
Revised					

3a. Additions

4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
7	Regulatory Review	DPW, Planning Board, BOH, Con. Comm.	Regulatory Revisions to Bylaws as Necessary	Implemented local regulatory revisions.	Continue to implement regulations and revise as appropriate
Revised					
8	Permit Enforcement	DPW, 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
Revised					
10	Improved As-Built Review	DPW, Planning Board	Electronic As-Built Submittals on Town GIS System	Continued GIS mapping	Complete GIS mapping and develop protocol for submitting as-builts electronically
Revised					
Revised					
Revised					

4a. Additions

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 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
7	Regulatory Review	DPW, Planning Board, BOH, Con. Comm.	Regulatory Revisions to Bylaws as Necessary	Implemented local regulatory revisions.	Continue to implement regulations and revise as appropriate
Revised					
8	Permit Enforcement	DPW, 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
Revised					
Revised					
Revised					
Revised					
Revised					

5a. Additions

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 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
11	Improved Street Sweepings	DPW	Semi-annual Collections	Semi-annual Collections	Semi-annual Collections
Revised					
12	Improved Catch Basin Cleanings	DPW	Semi-annual Collections	Semi-annual Collections	Semi-annual Collections
Revised					
13	Household Hazardous Waste Days	DPW	Annual Collections	Annual Collection	Annual Collection
Revised					
14	Drain Stenciling	DPW	Aquifer Protection Area	Stenciled drains previously mapped in Aquifer Protection Area	Continue to stencil drains in Aquifer Protection Area
Revised					
Revised					

6a. Additions

18	Employee Training	DPW	Seminar Attendance	Attend Good Housekeeping and SWMP Training Seminars Sponsored by Plymouth County Highway Association	Attend Good Housekeeping and SWMP Training Seminars Sponsored by Plymouth County Highway Association

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 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
6	GIS Mapping	DPW	GIS Mapping of Priority Waters and Drainage Patterns	April 15, 2001 aerial photography serving as basis for Assessor Mapping updates and connectivity of drainage system mapping.	Continued development of GIS mapping
Revised					
4	Water Quality Testing	DPW	Semi-Annual Water Quality Testing	Obtained funding for the Wastewater and Land Use Study in the North River watershed area and source identification	Act upon the Wastewater and Land Use Study for the South end of Town
Revised					
15	Stormwater Modeling	DPW	Needs Assessment for Category 5 Water Bodies	Obtained funding for the Wastewater and Land Use Study in the North River watershed area and source identification	Act upon the Wastewater and Land Use Study for the South end of Town
Revised					
16	Misc. Structural BMPs as Needed	DPW	i.e. Construction Improvements	None to date (scheduled for future permit years as appropriate)	To be determined
Revised					
17	Misc. Non-Structural BMPs as Needed	DPW	i.e. Bylaw Enforcement, Fees and Fines	None to date (scheduled for future permit years as appropriate)	To be determined
Revised					

7a. Additions

7b. WLA Assessment

To date, the Town has focused on completing GIS mapping of the drainage system and receiving waters, as approved by the DEP, and water quality screening and testing from the outfall locations that have been mapped in the vicinity of the North River watershed area. The data findings confirm past conclusions that the North River and its tributaries (i.e. the Indian Head River) are impaired from excessive levels of Total Coliform and e-coli, and the impairment shall be addressed. To this end, in 2006 the Town of Hanover issued a local approval to conduct a Wastewater and Land Use Study in the southeast section of Town that lies within the North River watershed. It is anticipated that the study shall be completed in 2008/9.

A more detailed WLA assessment and Land Use Evaluation will follow.

Part IV. Summary of Information Collected and Analyzed

Permit Year 1 Activities and Information

During the previous Permit Year, the Town reviewed the local, state and federal bylaws relative to stormwater and aquifer protection, and determined that they appeared to be adequately regulated and 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.

Permit Year 2 Activities and Information

During Permit Year 2, outfall mapping and water quality screening/testing continued in the North River drainage basin. Assessor mapping was performed to determine the public/private impacts to its storm drainage system.

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

Permit Year 3 Activities and Information

During Permit Year 3, outfall mapping and water quality screening/testing continued in the North River drainage basin. Assessor mapping was updated and the Town focused on the connectivity of its drainage system.

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

Permit Year 4 Activities and Information

During Permit Year 4, the Town obtained funding for a Wastewater and Land Use Study in the southeast section of Town where, previous outfall mapping and water quality screening/testing indicated that the North River drainage basin is impaired. Assessor maps continued to be updated and the connectivity of the drainage system was further mapped.

The Town continues to provide updates to the public through water bill mailings and postings on the local WEB site, and will continue to work with local watershed associations on possible funding sources and ways in which to promote volunteerism. In addition, Town employees have taken part in employee training seminars sponsored by the Plymouth County Highway Association and the Town continues to improve its good housekeeping programs.

Permit Year 5 Activities and Information

During Permit Year 5, Assessor maps continued to be updated and the connectivity of the drainage system was further mapped.

The Town continues to provide updates to the public through water bill mailings and postings on the local WEB site, and will continue to work with local watershed associations on possible funding sources and ways in which to promote volunteerism. In addition, Town employees have taken part in employee training seminars sponsored by the Plymouth County Highway Association and the Town continues to improve its good housekeeping programs.