

**Municipality/Organization: Town of Hadley, Massachusetts**

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**EPA NPDES Permit Number: MAR041008**

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**MassDEP Transmittal Number: W-039490**

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**Annual Report Number** 4  
**& Reporting Period:** April 1, 2006 – March 31, 2007

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

### Part I. General Information

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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: 

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Printed Name: Brian West

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Title: Chairman, Hadley Board of Selectmen

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Date: 4/27/2007

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**2006 NPDES ANNUAL REPORT  
HADLEY, MASSACHUSETTS**

**Table of Contents**

*COVER LETTER*

*CERTIFICATION*

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|   |            |
|---|------------|
| <b>1.0 SELF ASSESSMENT .....</b>                                    | <b>1.1</b> |
| <b>2.0 ASSESSMENT OF THE APPROPRIATENESS OF SELECTED BMPS .....</b> | <b>2.2</b> |
| <b>3.0 PROGRESS TOWARD MEASURABLE GOALS .....</b>                   | <b>3.3</b> |
| <b>4.0 SUMMARY OF RESULTS .....</b>                                 | <b>4.5</b> |
| <b>5.0 LOOKING AHEAD TO NEXT YEAR .....</b>                         | <b>5.6</b> |
| <b>6.0 CHANGES IN THE MEASURABLE GOALS .....</b>                    | <b>6.7</b> |
| <b>7.0 OUTSIDE ENTITIES RELIED UPON .....</b>                       | <b>7.8</b> |

## **1.0 Self Assessment**

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The Town of Hadley received a General Permit for its Municipal Separate Storm Sewer System (MS4) on May 10, 2003. The Town filed its Annual Reports, in compliance with the Phase II regulations in May of 2004, 2005 and 2006. This is the fourth report which covers the period from April 1, 2006 to March 31, 2007. Since filing the last annual report, the Town, through its Annual Town Meeting, has adapted Stormwater Management and Illicit Discharge By-Laws in accordance with its General Permit. The Highway Department has proceeded in good faith to execute all of the tasks outlined in their original Notice of Intent and those specified in the General Permit. A dry weather screening program for illicit connections was completed by Highway Department personnel and the Town's consultant in the late spring of 2006. In the execution of the dry weather screening program, several existing system outfalls were identified and added to the Town Storm Drainage Map.

Though the effort of the Steering Committee and the Pioneer Valley Planning Commission (PVPC), the Town has completed two by-laws on Stormwater Management and Illicit Discharge, which addressed the issues described in the Phase II regulations. An amendment to the Town Zoning By-Laws entitled "Erosion and Sediment Control for Stormwater Management", which covers development and post-development concerns, and a stormwater ordinance entitled "Illicit Connections and Discharges to the Storm Drain System" were approved at the spring 2006 annual Town Meeting.

Nearly all of the tasks outlined in the Notice of Intent to be performed over the five years of the permit have now been completed or are underway.

Stantec, formerly Dufresne-Henry (DH), is of the opinion that the Town of Hadley is continuing to live up to its responsibilities under the General Permit and is achieving the measurable goals outlined in the Notice of Intent.

## **2.0 Assessment of the Appropriateness of Selected BMPs**

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To the extent they have been implemented to date, the selected Best Management Practices (BMPs) seem to be working satisfactorily toward the reduction of pollution due to stormwater runoff. Implementation of BMPs dealing with the development of a Stormwater Management Program has begun and will continue with the approval by Town Meeting of the proposed Illicit Discharge and Development By-Laws.

Through its Highway Department personnel, the Town has verified and made revisions to the Storm System Plan within the Urban Area.

The television program "After the Storm", produced by the EPA and provided by the Weather Channel, has been shown periodically throughout the past year on Hadley Cable Access Television. To our knowledge, comments have not been received on the program.

Municipal good housekeeping has continued to improve with the continued implementation of a Spill Prevention Plan at the Department of Public Works (DPW) yard. The use of calcium chloride as a deicer was increased this past winter, which has continued to decrease the amount of salt contained in runoff to the Town's streams and wetlands.

The Steering Committee, formed in May of 2005, with the assistance of the PVPC succeeded in adopting new by-laws for the Town. PVPC assistance was enabled by the receipt of a Small Growth Technical Assistance Grant.

Implementation of a dry weather screening program for illicit discharge detection has found there are no significant illicit connections present in the Town's storm drainage system. The Town's combined sewers were separated in the 1980's and enforcement of illicit connections has been consistent in the succeeding decades.

For the fourth year of the permit, the Highway Department has continued to substitute calcium chloride for some of its winter salt on Town roads. Quantitative effects are difficult to determine, but it is generally accepted that the environment does benefit from this practice, and the Highway Department will continue its use.

### **3.0 Progress Toward Measurable Goals**

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#### **3.1 GOALS**

The following measurable goals were proposed for implementation during the first three years of this program:

1. Partnership with the Lake Warner-Mill River Steering Committee.
2. Distribution of a Stormwater Fact Sheet with the spring water bills.
3. Presentation of an informational video on Hadley Cable Access Television.
4. Establishment of a NPDES Steering Committee.
5. Partnership with the Massachusetts Highway Department to map the storm drainage within the Route 9 corridor.
6. Begin mapping the Town-owned Storm Drainage System within the Urban Area.
7. Dry weather screening and video inspection.
8. Establish illicit discharge hotline.
9. Drafting a by-law for the prevention of illicit discharges.
10. Drafting a by-law for disturbances of over one acre of land.
11. Drafting a by-law for the control of post-construction stormwater runoff.
12. Implement Spill Prevention Control Plan at the DPW yard.
13. Conduct training for maintenance and landscaping crews.
14. Incorporate the use of a road salt alternate for winter deicing of roadways.

#### **3.2 STATUS OF THE GOALS**

The following is a brief explanation of the status of each of the above measurable goals:

1. Town Highway Department personnel are planning to meet with the Lake Warner –Mill River Steering Committee this summer to discuss mutually beneficial strategies.
2. A Fact Sheet pertaining to Urban Runoff was mailed in February 2004 with the bi-annual water bills.

3. The video entitled "After the Storm" was received from the EPA aired on Hadley Cable Access Television periodically throughout the last three years.
4. The Selectmen empanelled a representative Steering Committee; and by-laws have adopted by the Town.
5. Stantec (then Dufresne-Henry) completed research of the Massachusetts Highway Department file of available drainage plans for Route 9.
6. Stantec (then Dufresne-Henry) completed researched of archived files and the Highway, Water and Sewer Department files for information on the Town's drainage system within the Urban Area. Additional information has been added to the Storm System Plan based on verification of pipes and structures by the Hadley Highway Department, and the field information gathered during the dry weather screening program.
7. A program for Dry Weather Screening has been completed for the urban area subject to the permit.
8. A hotline has not been established but the illicit discharge bylaw names the Town's Health Agent, with his broad statutory authority, as its enforcement officer.
9. An ordinance has been adopted by the Town regarding the prevention of illicit discharges.
10. A zoning by-law has been adopted by the Town for disturbances of over one acre of land. Together with #11 below.
11. A zoning by-law has been adopted by the Town for the control of post construction stormwater runoff. Together with #10 above.
12. A Spill Prevention Program has been established and is in use at the DPW yard.
13. Nothing done to-date, but there are plans for this training during the final year of the permit.
14. The Highway Department augmented the use of road salt with calcium chloride for deicing during the past three winters, as required by the permit.

## **4.0 SUMMARY OF RESULTS**

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In summary, in the first three full years of permit compliance, the Town of Hadley has:

- Distributed a fact sheet on urban runoff to all households and businesses.
- Televised an educational stormwater video on its Cable Access Channel.
- Formed a Steering Committee to shape and implement the Town's Stormwater Policy.
- Prepared a map for the Storm Drainage Inventory within the Town's urban area, in partnership with the Massachusetts Highway Department (MHD).
- Implemented a Dry Weather Illicit Discharge Screening Program.
- Adopted Stormwater By-Laws and an Illicit Discharge Ordinance.
- Continued to implement a Spill Prevention Program at the DPW yard.
- Continued to reduce the amount of road salt used for deicing.

## **5.0 Looking Ahead to Next Year**

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This year the Hadley Highway Department plans to complete all of the remaining measurable goals defined in the Notice of Intent.

This year the NPDES Steering Committee will look ahead toward funding the measures required to obtain a renewal of the General Permit before its expiration date in May 2008, and prepare the appropriate article(s) for the Hadley Town Meeting.

The Highway Department still intends to open a discussion with the Lake Warner-Mill River Steering Committee so as to include them in the work of the NPDES Steering Committee.

The Hadley Cable Access television channel will continue to broadcast "After the Storm" or other appropriate educational videos which can be obtained.

The NPDES Steering Committee will investigate establishing an Illicit Discharge Hotline, either at the Hadley Highway Department, Police Department, Fire Department or Board of Health.

This fall, the Highway Department will again attempt to conduct Pollution Prevention Workshops and training for municipal workers, if budget and time constraints permit.

The Highway Department will continue to incorporate the use of a road salt alternative in greater amounts for deicing during the upcoming winter.

## **6.0 Changes in the Measurable Goals**

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Certain goals originally scheduled for the first four years of the permit have been unavoidably postponed and are planned to be completed this year. These goals include:

1. Partnership with the Lake Warner-Mill River Steering Committee.
2. Establishment of an Illicit Discharge Hotline.
3. Training in pollution prevention for DPW workers.

These final items will complete the measurable goals identified in the Notice of Intent.

## **7.0 Outside Entities Relied Upon**

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The following agencies have been or will be relied upon for assistance in performing the measurable goals stated in the permit:

- Massachusetts Highway Department
- Lake Warner-Mill River Steering Committee
- Pioneer Valley Planning Commission
- Hadley Police/Fire Departments