



TOWN OF DOVER

P.O. Box 250
Dover, Massachusetts 02030

MAY 24 2006

ROBERT H. HOMER, P.E.
Town Engineer Consultant

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May 18, 2006

United States Environmental Protection Agency
Region 1
1 congress Street
Boston, Ma. 02114

Reference: NPDES PII Small MS4 General Permit Annual Report
EPA NPDES Permit Number MAR041107

To whom it may concern:

We are submitting herewith the Annual Report of our progress in implementing the Phase II Storm Rule Provisions for the year 2005.

Very truly yours

Robert H. Homer, P.E.

MAY 24 2006

Municipality/Organization: Dover/Highway Dept.

EPA NPDES Permit Number: MAR041107

5

MaDEP Transmittal Number: W-040845

**Annual Report Number
& Reporting Period:** No. 3: March 2005-March 2006

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: ROBERT H. HOMER, P.E. **Title:** TOWN ENGINEER

Telephone #: 508-785-8112 **Email:** Engineer@Dover.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 H. Homer*

Printed Name: Robert H. Homer

Title: Town Engineer

Date: 5/18/06

Part II. Self-Assessment

- **At present there is no stormwater advisory committee, no public participation, and no by-laws regarding erosion control.**
- **The selected BMPs are appropriate and has been practiced prior to Phase II**
- **We are making steady progress achieving our measurable goals**
- **There has not been any testing within our Urban Areas.**
- **During our next reporting cycle Public Education and Outreach will be the focus of our work.**
- **There are no changes in the BMPs or measurable goals.**
- **The CWRA is a partner in our efforts to comply with Phase II provisions.**

Although the first item above has yet to be resolved, the intent of the Phase II program is being met not only in our Urban Areas, but throughout the entire town. We require strict erosion control on all projects regardless of the extent of areas to be disturbed and we get 100% compliance from engineers, contractors and owners. The Board of Health as adopted our erosion control notes and contribute to the enforcement of the criteria.

We also have town by-laws requiring runoff from impervious areas to be discharged below ground by means of leaching facilities. This applies to new homes and additions or renovations and is enforced by the town Building Department. This by-law predates Phase II by many years.

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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 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 6
1.1 Revised	Education displays	Engineering Robert Homer	Display in town hall, library and schools	Placed in town hall and garage	Place in library and schools
1.2 Revised	Press releases	Engineering	Phase II info.	Release being prepared	Publish release
1.3 Revised	Stormwater Alert	Engineering	Organize townwide mail out	Mail out complete and mailed	Nothing
1.4 Revised	Hazardous waste collection	Highway Craig Hugues	Places, dates and times for pickup	Joined Medfield – established date and time	Collected wastes 4/15/06
Revised					
Revised					
Revised					

1a. Additions

2. Public Involvement and Participation

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 6
2.1 Revised	Stormwater Committee	Selectmen	Appoint Members	No Appointments CWRA is town partner	No Plans
2.2 Revised	Adopt a Stream	None	None	Nothing	Nothing
2.3 Revised	Adopt a Street	None	None	Nothing	Nothing
2.4 Revised	Stormwater Management Plan	Engineering	Complete Plan	Completed	Nothing
Revised					
Revised					
Revised					

2a. Additions

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 6
3.1 Revised	Map drain systems	Engineering	Map systems and outfalls	Completed	Nothing
3.2 Revised	Capital budget and Planning	Engineering and Highway	Inspected outfalls	Inspected outfalls	No illicit discharges
Revised					
Revised					
Revised					
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 6
4.1	Town Regulations	Engineering Selectmen	Develop regulations Erosion control notes	Town by-law governing stormwater runoff	Develop site plan review check list to be handed out by Building Dept. with building permit package
Revised					
4.2	Site Plan review	Engineering	Alert site designers Regarding review check list	Site designers complying with check list	Continued review of checklist compliance
Revised					
4.3	Site Inspection	Engineering	Contractor/Owner compliance	Excellent compliance with criteria governing erosion control and stormwater discharge below ground	Continued enforcement of criteria
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 6
5.1 Revised	Town by-laws Planning Board Rules And Regulations	Engineering Planning Board	Adopt by- laws and regulations	By-laws adopted R & R revisions reviewed and comments incorporated	Review of Ch. 40B comprehensive permits for compliance with revised Rules and Regulations
5.2 Revised	Design standards	Planning Board	Revise Rules and Regulations	Completed	Revisions adopted
5.3 Revised	Final Site Inspection	Engineering	Identify non-compliance with approved definitive plan of infrastructure	Latest subdivision street non-compliance addressed and street acceptance approved	Inspection of ongoing construction Of Ch. 40B project for compliance with comprehensive permit
Revised					
Revised					
Revised					

5a. Additions

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 6
7.1 Revised	Check outfalls	Engineering	Schedule inspections	All outfalls identified and inspected No partners	Continue periodic inspection
7.2 Revised	Identify impaired waters	Engineering	Test for water quality	No testing	Stormwater discharge at Ch. 40B project to be tested
7.3 Revised	Establish TDMs	Engineering	Identify pollutant source	None found	Continue observations
7.4 Revised	Pollutant removal	Engineering	Ch. 40B project stormwater treatment	Stormwater treatment units Proposed for 40B project	Inspection of stormwater treatment units
Revised					
Revised					
Revised					

7a. Additions

7b. WLA Assessment

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Revised					
Revised					
Revised					

7a. Additions

7b. WLA Assessment

▪ 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

Outfall mapping complete	(%)	
Estimated or actual number of outfalls	(#)	
System-Wide mapping complete	(%)	
Mapping method(s)		
▪ Paper/Mylar	(%)	
▪ CADD	(%)	
▪ GIS	(%)	
Outfalls inspected/screened	(# or %)	
Illicit discharges identified	(#)	
Illicit connections removed	(#) (est. gpd)	
% of population on sewer	(%)	
% of population on septic systems	(%)	

Construction

Number of construction starts (>1-acre)	(#)	
Estimated percentage of construction starts adequately regulated for erosion and sediment control	(%)	
Site inspections completed	(# or %)	
Tickets/Stop work orders issued	(# or %)	
Fines collected	(# and \$)	
Complaints/concerns received from public	(#)	

Reduction in application on public land of: (“N/A” = never used; “100%” = elimination)		
▪ Fertilizers	(lbs. or %)	
▪ Herbicides	(lbs. or %)	
▪ Pesticides	(lbs. or %)	

Anti-/De-Icing products and ratios	% NaCl % CaCl ₂ % MgCl ₂ % CMA % Kac % KCl % Sand	
Pre-wetting techniques utilized	(y/n)	
Manual control spreaders used	(y/n)	
Automatic or Zero-velocity spreaders used	(y/n)	
Estimated net reduction in typical year salt application	(lbs. or %)	
Salt pile(s) covered in storage shed(s)	(y/n)	
Storage shed(s) in design or under construction	(y/n)	