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Municipality/Organization:	Town of Dighton, MA
EPA NPDES Permit Number:	MAR041105
MassDEP Transmittal Number:	W-040738
Annual Report Number & Reporting Period:	No. 2: April 04-March 05

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: Mr. Paul DeMoura	Title: Highway Superintendent
Telephone #: (508) 669-5461	Email: N/A
Mailing Address: 979 Somerset Avenue, Dighton, MA 02715	

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: Richard Hegeman

Title: Chairman, Board of Selectmen

Date: April 23, 2007

Part II. Self-Assessment

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

Part II.F Failed to submit annual report on or before May 1, 2005.

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 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
1-1	Educational Material - Include stormwater information on recycling calendar and air notice on local cable television.	Highway Superintendent	Calendar will be modified in Year 1 and during Years 2 – 5, the calendar will be distributed annually	Modified BMP to be implemented in Year 3 – 5.	Prepare stormwater notice to include in semiannual recycling flyer.
Revised	<i>Modify to a notice educating public on stormwater in the semiannual recycling flyer.</i>		Prepare a notice during Year 3 to be distributed during Years 3 – 5. Update notice annually.		
Revised					
Revised					

1a. Additions

1-2	Educational Materials – Post stormwater information obtained from EPA website in Town Hall on public kiosks	Highway Department Superintendent and Planning Board	Post information on Stormwater on kiosk in Town Hall during Years 3 – 5.	Information posted on Town Hall Kiosk.	Continue to post stormwater information on Town Hall Kiosk.

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
2-1	Evaluate feasibility of developing Public School Program on stormwater	Highway Superintendent	Year 1: Work with School Department to evaluate feasibility of developing school program on stormwater. Year 2: If feasible develop program and conduct annually in Years 3 – 5. Years 4 – 5, evaluate and implement, if feasible, a school program on stormwater.	Due to limited availability of staff, no progress has been made on the determining the feasibility or development of a school program on stormwater.	Due to limited availability of Highway Department staff, no activities are proposed for Year 3.
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 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
3-1 Revised	Map outfalls and receiving waters	Highway Department	During Year 1, map outfalls and identify receiving waters	Due to limited availability of highway department staff, mapping of all drains and outfalls has been started but is not yet completed. Highway department staff have physically located, inspected and graphically mapped drainage structures and outfalls.	Staff will continue to locate, inspect and map locations of drainage structures and outfalls within the regulated urbanized area of the Town.
3-2 Revised	Detect and eliminate discharges	Highway Superintendent	Development of a program to detect additional illicit discharges will occur in Year 2. Development of program to detect additional illicit discharges will occur during Year 5.	The Town's storm drain system cleaning subcontractor visually inspects the system for signs of illicit discharges when the system is cleaned annually. The Town will develop a more specific program for identifying priority areas, identifying sources, locating and removing sources of illicit discharges and developing documentation with requirements in coordination with bylaw development under BMP 3-4.	No additional activities will occur until Year 5.
3-3 Revised	Conduct Illicit Discharge Education Program	Highway Superintendent	Included in Minimum Control Measures 1, 2 and 6.	See Minimum Control Measures 1, 2 and 6.	See Minimum Control Measures 1, 2 and 6.
3-4 Revised	Develop Bylaw prohibiting illegal dumping of non-stormwater into the MS4.	Highway Superintendent	Draft bylaw by end of Year 1 and finalize by end of Year 2. Present to Town Meeting in Year 3 and if not approved, present again in follow Years 4 and 5, if necessary. Develop bylaw and submit to Town Meeting for approval in Year 5.	Due to limited availability of Highway Department Staff, no progress has been made on the development of the bylaw.	No additional activities toward the development of Bylaw will occur until Year 5.

3-5	Enforce Bylaw – Develop regulations or policies to enforce the bylaw in BMP 3-4.	Highway Superintendent	Draft changes to regulations and policies will be developed by end of Year 1. Final changes will be prepared by end of Year 2. Adoption of regulations and policies will occur within one year of approval of the bylaw. Draft regulations and policies will be prepared and implemented during Year 5.	Due to limited availability of Highway Department Staff, and delay in development of bylaw in BMP 3-4, no progress has been made on this BMP.	No additional activities will occur until Year 5 when bylaw is developed.
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 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
4-1	Revise Site Plan Review section of Zoning Bylaw	Planning Board	Draft changes to the bylaw will be developed and reviewed in Year 1 and finalized in Year 2. Proposed changes will be presented to Town Meeting in Year 3. If not approved, will be presented in Years 4 and 5, if necessary. Revisions to the Site Plan Review section of the Zoning Bylaw will occur during Year 5.	Due to staffing limitations, no progress has occurred on this BMP.	No additional activities are anticipated until Year 5.
Revised					
4-2	Review procedures for receipt and consideration of information submitted by the public.	Planning Board	Review of existing procedures will occur in Year 1 and if revisions are deemed necessary, will be drafted in Year 2 and adopted in Year 3. Review and revisions of procedures, if necessary, will occur during Year 5.	Due to staffing limitations, no progress has occurred on this BMP.	No additional activities are anticipated until Year 5.
Revised					
4-3	Revise Site Inspection and Enforcement Control Measures Program	Planning Board	The program will be evaluated and if necessary modified by the end of Year 2. Program will be evaluated and if necessary modified by the end of Year 5.	Due to staffing limitations, no progress has occurred on this BMP.	No additional activities are anticipated until Year 5.
Revised					

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 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
5-1	Modify Zoning Bylaw to meet requirements for post-development runoff control	Planning Board	Draft modifications by end of Year 2. Bylaw revisions will be submitted to Town meeting in Year 3. If not approved, will be presented in Years 4 and 5, if necessary.	Due to staffing limitations, no progress has occurred on this BMP.	No additional activities are anticipated until Year 5.
Revised			Revisions to the Site Plan Review section of the Zoning Bylaw will occur during Year 5.		
5-2	Revise Subdivision Rules and Regulations	Planning Board	Review the Subdivision Rules and Regulations during Year 2. Proposed modifications will be proposed in Year 3. A public meeting will be held to solicit input on proposed changes. The final modifications will be presented to Board for a vote during Year 4.	Due to staffing limitations, no progress has occurred on this BMP.	No additional activities are anticipated until Year 5.
Revised			Review and modifications to the Subdivision Rules and Regulations will be prepared during Year 5. A public meeting will be held to solicit input and final modifications presented to Board for a vote by the end of Year 5.		

5-3.1	Ensure Adequate Long-term O & M of BMPs	Highway Department	Evaluate Highway Dept. stormwater plan review procedure during Year 2 and if necessary draft changes by end of Year 3. Input will be solicited from other departments and final procedure will be adopted during Year 4. In addition, list of preferred structural BMPs will be developed in Year 3. Procedures will be reviewed during Year 5. If modifications are necessary, draft changes will be prepared and input solicited from other departments. Final procedure will be adopted by the end of Year 5. A list of preferred structural BMPs will be developed during Year 5.	Due to staffing limitations, no progress has occurred on this BMP.	No additional activities are anticipated until Year 5.
	Revised				
5-3.2	Ensure Adequate Long-term O & M of BMPs	Planning Board	Evaluate subdivision Rules and Regulations and pertinent Board procedures during Year 2. If necessary, draft changes during Year 3. A public meeting will be held to solicit input from Highway Department	Due to staffing limitations, no progress has occurred on this BMP.	No additional activities are anticipated until Year 5.
	Revised		Review and modifications to the Subdivision Rules and Regulations will be prepared during Year 5. A public meeting will be held to solicit input and final modifications presented to Board for a vote by the end of Year 5.		
	Revised				

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 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
6-1	Educate Municipal Employees	Highway Superintendent	Training program will be developed during Year 1 and training sessions will be held on an annual basis beginning in Year 2. Goal will be for 90% of municipal employees with responsibility for stormwater management to attend at least one training session over five-year permit period.	Town is implementing training program on stormwater management, including methods for spotting problems, illicit discharges or suspicious storm drain discharges.	Town will continue to implement training program.
Revised					
6-2	Develop & Implement plan to prevent and reduce pollutant runoff from municipal operations.	Highway Superintendent	The Municipal Operations Stormwater Plan (MOSP) will be adopted by the end of Year 3.	Town worked toward development of MOSP.	Work toward finalizing and adopting MOSP.
Revised					
Revised					

6a. Additions

6-3	Catch Basin cleaning	Highway Superintendent	Clean and inspect all catch basins annually.	Through the use of a sub-contractor, all catch basins were cleaned during Year 2.	Continue to implement annual cleaning of all catch basins.

7. BMPs for Meeting Total Maximum Daily Load (TMDL) Waste Load Allocations (WLA) << if applicable >> N/A

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
Revised					
Revised					
Revised					
Revised					
Revised					
Revised					
Revised					

7a. Additions

7b. WLA Assessment

Part IV. Summary of Information Collected and Analyzed

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, 2004 through March 31, 2005)

Programmatic

	(Preferred Units)	Response
Stormwater management position created/staffed	(y/n)	
Annual program budget/expenditures **	(\$)	
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

Regulatory Mechanism Status (indicate with "X")	In Place Prior to Phase II	Reviewing Existing Authorities	Drafted	Draft in Review	Adopted
▪ 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

	(Preferred Units)	Response
Outfall mapping complete	(%)	
Estimated or actual number of outfalls	(#)	
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

	(Preferred Units)	Response
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 **	(#)	

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 **	(%)	

	(Preferred Units)	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)	
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)	

(Preferred Units)		Response
Average Ratio of Anti-/De-Icing products used **	% NaCl % CaCl ₂ % MgCl ₂ % CMA % Kac % KCl % Sand	
(also identify chemicals and ratios used in specific areas, e.g., water supply protection areas)		
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/ln mi. or %)	
Estimated net reduction or increase in typical year sand application rate **	(±lbs/ln 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	

