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Municipality/Organization: Town of Rutland, Massachusetts

EPA NPDES Permit Number: MAR 041154

MaDEP Transmittal Number: **W-035069**

Annual Report Number & Reporting Period: **No. 4: March 06-March 07**

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: Carl Christianson Title: Superintendent of Public Works

Telephone #: 508.886.4105 Email: carlc@townofrutland.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: Louis Cornacchioli

Printed Name: Louis J. Cornacchioli

Title: Chairman, Board of Selectmen

Date: April 30, 2007

Part II. Self-Assessment

The Town of Rutland, Massachusetts has completed the required self-assessment and has determined that, based on available information, the town is in compliance with the conditions of the permit.

The town's Stormwater Management Program is commented on by EPA in an August 18, 2006 to Carl Christianson. In this letter, it is stated that, "EPA is concerned that most municipalities are not making sufficient progress implementing illicit discharge detection and elimination (IDDE) programs." The Town of Rutland would like to point out that a draft Illicit Discharge Detection and Elimination protocol was developed during Permit Year 2, and is in the process of being reviewed and implemented.

The letter also states that, "EPA is not aware of the current status of your municipality's outfall mapping." The outfall mapping was completed in June 2006 as noted in Part III of this Annual Report.

Part III. Summary of Minimum Control Measures

TOWN OF RUTLAND, MASSACHUSETTS
NPDES Stormwater General Permit
Notice of Intent for Discharges from Small Municipal Separate Storm Sewer Systems (MS4s)

Stormwater Management Program Summary

BMP ID #	Best Management Practice	Responsible Person / Department	Measurable Goal	Duration	Progress on Goal(s) - Permit Year Four	Planned Activities - Permit Year Five
1. Public Education						
1a	Distribute/post non-point source pollution poster	DPW Superintendent	Post in schools, community hall, library, etc…	Permit term	Posters have been displayed in Community Hall, Library, DPW Garage, and Rutland Community Center	Continue to post in public buildings
1b	Air stormwater message on local cable channel	DPW Superintendent	Post one new message every month	Permit term	Messages have been posted and changed monthly	Continue to post one new message every month
1c	Distribute items from Northeast Waste Management to local businesses, auto body shops, etc.	DPW Superintendent	Make information available to local businesses.	Years 1, 3 and 5	No activity	Information to be provided to all businesses within the UA in June 2007
1d	Add stormwater information to town website	DPW Superintendent	Update information yearly	Permit term	No activity	The town is in the process of constructing an official website; this is expected to be complete in June; stormwater information will be included
2. Public Participation						
2a	Oil and hazardous waste collection day	Regionally with town of Holden/ Rutland Fire Department	Hold waste collection day once per year	Permit term	Regional oil and hazardous waste collection was held in May 2006 and October 2006	Continue to hold waste collection day twice per year (May and October 2007)
2b	Form Stormwater Advisory Committee	DPW Superintendent	Develop during Year 2, then meet quarterly	Year 2, then quarterly for remaining permit term	A four-member Stormwater Advisory Committee has been established	Meetings scheduled quarterly
2c	Volunteer cleanup day through 122A Lions Club and Masonic Club	DPW Superintendent	Hold one cleanup day each spring	Permit term	Volunteer cleanup day was held by the Lions Club on April 14, 2007	Continue to hold cleanup day each spring
2d	Catch basin stenciling program through local boy scouts and other community groups	DPW Superintendent	Update catch basin stenciling in 25% of the catch basins within the UA each year	Years 2, 3, 4 and 5	Catch basins have been stenciled; existing stencils were inspected and found to be in good condition	Stenciling program will continue; working to coordinate stenciling event with local Eagle Scout group
3. Illicit Discharge Detection and Elimination						
3a	Map outfalls and receiving waters; check with MHD annually to determine status of Rtes. 122A and Naquog stormdrain mapping	DPW Superintendent	Map outfalls within 25% of UA each year	Years 1, 2, 3 and 4	All outfall and receiving water mapping was completed in June 2006	No activity planned for Year Five
3b	Review existing bylaws and regulations	DPW Superintendent	Determine whether stormwater management plan requirements are being met	Year 2	No activity	No activity planned for Year Five
3c	Develop illicit discharge detection and elimination plan	DPW Superintendent	Propose recommendations for inclusion into stormwater management plan	Year 2	No activity	No activity planned for Year Five
3d	Develop/modify general illicit discharge bylaw	DPW Superintendent	Propose recommendations for developing or modifying bylaw	Year 2	No activity	No activity planned for Year Five
3e	Present bylaw for Town Meeting action	DPW Superintendent	Make presentation for Town Meeting action	Year 3	Town Counsel and Board of Selectmen reviewed all proposed stormwater bylaws	All proposed stormwater bylaws are on the warrant for the May 19, 2007 Town Meeting
4. Construction Site Runoff Control						
4a	Review existing site inspection practices	DPW Superintendent, Conservation Commission and Planning Department	Determine whether stormwater management plan requirements are being met	Year 2	No activity	No activity planned for Year Five
4b	Develop/modify site inspection program	DPW Superintendent	Propose recommendations for developing or modifying site inspection practices	Year 2	No activity	No activity planned for Year Five

TOWN OF RUTLAND, MASSACHUSETTS
NPDES Stormwater General Permit
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Stormwater Management Program Summary

BMP ID #	Best Management Practice	Responsible Person / Department	Measurable Goal	Duration	Progress on Goal(s) - Permit Year Four	Planned Activities - Permit Year Five
4c	Review existing bylaws and regulations	DPW Superintendent	Determine whether stormwater management plan requirements are being met	Year 2	No activity	No activity planned for Year Five
4d	Develop/modify construction site runoff bylaw	DPW Superintendent	Propose recommendations for developing or modifying bylaw	Year 2	No activity	No activity planned for Year Five
4e	Present bylaw for Town Meeting action	DPW Superintendent	Make presentation for Town Meeting action	Year 3	Town Counsel and Board of Selectmen reviewed all proposed stormwater bylaws	All proposed stormwater bylaws are on the warrant for the May 19, 2007 Town Meeting
5. Post Construction Runoff Control						
5a	Review existing site inspection and maintenance practices	DPW Superintendent	Determine whether stormwater management plan requirements are being met	Year 2	No activity	No activity planned for Year Five
5b	Develop/modify site inspection and maintenance program	DPW Superintendent	Propose recommendations for developing or modifying practices	Year 2	No activity	No activity planned for Year Five
5c	Review existing bylaws and regulations	DPW Superintendent	Determine whether stormwater management plan requirements are being met	Year 2	No activity	No activity planned for Year Five
5d	Develop/modify post construction runoff bylaw	DPW Superintendent	Propose recommendations for developing or modifying bylaw	Year 2	No activity	No activity planned for Year Five
5e	Present bylaw for Town Meeting action	DPW Superintendent	Make presentation for Town Meeting action	Year 3	Town Counsel and Board of Selectmen reviewed all proposed stormwater bylaws	All proposed stormwater bylaws are on the warrant for the May 19, 2007 Town Meeting
6. Municipal Good Housekeeping						
6a	Street sweeping program	DPW Superintendent	Sweep all streets within UA once per year	Permit term	All streets within UA were swept in 2006	Continue to sweep all streets within UA once per year
6b	Catch basin cleaning program	DPW Superintendent	Check catch basins quarterly for sediment and clean every year	Permit term	All catch basins within the UA were cleaned in 2006 and inspected quarterly	Continue to check catch basins quarterly for sediment and clean every year
6c	Ensure that DPW adheres to existing SPCC Plan	DPW Superintendent	Review of practices (annual follow ups)	Permit term	The town has reviewed the practices outlined in the SPCC plan and updated plan accordingly	Continue to review practices and perform annual follow-ups
6d	Perform site visits to examine existing practices at municipal facilities	DPW Superintendent	Target all applicable municipal facilities	Year 3	Site visits for all applicable municipal facilities were performed on June 20, 2006 to examine existing practices	No activity planned for Year Five
6e	Train municipal employees at each site	DPW Superintendent	Target all applicable municipal facilities	Year 3	Training for all municipal employees was performed on May 25 and 26, 2006	No activity planned for Year Five
6f	Perform follow-up inspections at each site to ensure required practices are being met	DPW Superintendent	Perform annual follow-ups	Years 4-5	Initial audit performed on June 20, 2006 at all applicable municipal facilities	Perform site visits to ensure required practices are being met

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UA = Urbanized Area
SWMP = Stormwater Management Plan

Part IV. Summary of Information Collected and Analyzed

No information was collected or analyzed.

Part V. Program Outputs & Accomplishments (OPTIONAL)

Programmatic

Stormwater management position created/staffed	(y/n)	
Annual program budget/expenditures	($)	

Education, Involvement, and Training

Estimated number of residents 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.)	
Household Hazardous Waste Collection Days		
▪ days sponsored	(#)	
▪ community participation	(%)	
▪ material collected	(tons or gal)	
School curricula implemented	(y/n)	

Legal/Regulatory

	In Place Prior to Phase II	Under Review	Drafted	Adopted
Regulatory Mechanism Status (indicate with "X")				
▪ 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

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	(#)	

Post-Development Stormwater Management

Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control	(%)	
Site inspections completed	(# or %)	
Estimated volume of stormwater recharged	(gpy)	

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)	
Total number of structures cleaned	(#)	
Storm drain cleaned	(LF or mi.)	
Qty. of screenings/debris removed from storm sewer infrastructure	(lbs. or tons)	
Disposal or use of sweepings (landfill, POTW, compost, recycle for sand, beneficial use, etc.)		
Cost of screenings disposal	($)	

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)	
Cost of sweepings disposal	($)	
Vacuum street sweepers purchased/leased	(#)	
Vacuum street sweepers specified in contracts	(y/n)	

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)	