

05



Municipality/Organization: Hudson, MA

EPA NPDES Permit Number: MA 041198/MaDEP

MaDEP Transmittal Number: W-036113

Annual Report Number & Reporting Period: No. 1: March 04-March 05

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: Bob LaBossiere **Title:** Assistant DPW Director

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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: 

Printed Name: Paul Blazar

Title: Executive Assistant

Date: April 29, 2005

Part II. Self-Assessment

The Town of Hudson has completed the required self-assessment and has determined that our municipality is in compliance with all permit conditions.

Note: Our BMP numbers assigned to the various tasks are identified as follows:

BMP 2-1 (Year – control measure) – This would be year #2 for control measure #1 Public Education and Outreach

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	Storm Water Flyer to Community Residents	DPW and SuAsCo	Flyer distributed to 75% of residents and compile survey results	Surveys to be sent back to SUASCO and compile multi-watershed-wide “survey” results	
Revised					
2-1	Storm Water Lesson Plan for 5 th Grade Students	Hudson School Dept and SuAsCo	Develop & distribute lesson plan to 5 th grader teachers	Received the lesson plan from SuAsCo in late Jan. 05. School Dept. wanted to wait until next year to implement the plan.	Implementation of the plan with the School Dept.
Revised					
3-1	Storm Water Flyer to Community Businesses	DPW and SuAsCo	Flyer distributed to 50% of businesses & have stormwater logos displayed at business	Have had discussion with SuAsCo regarding the development of the Flyers.	Print and distribute the Flyers to Businesses and discuss at meetings such as the Chamber of Commerce
Revised					
4-1	Storm Water Media Campaign	DPW and SuAsCo	Media info packet delivered to local media and generate 4 press releases for major media outlets	Have had initial talks with the local cable stations to brainstorm some ideas that can be utilized on the cable station	Continue development with the local media outlets.
Revised					
5-1	Storm Water Video	DPW and SuAsCo	Show storm water video @ 1 public meeting and on local cable stations	Have had discussions with the local cable station and are discussing different ideas	Possibly implementing part of the BMP earlier and on a yearly/or monthly basis
Revised					

Revised					
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1a. Additions

3a-1	Develop Storm Water Web Site	DPW and IT Dept.	Develop a storm water page on the Town web site by spring of 06	Discuss various options on how we would like to set up the web page	Continue development of plan

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
1-2 Revised	Storm Water Traveling Display	DPW and SuAsCo	Circulate display for 3 months in permit year #1	Continue to display at Town Meeting and other Public facilities.	Continue to display at Town Meeting and other Public facilities.
2-2 Revised	Storm Water Poster Contest for 5 th Graders	SuAsCo & Hudson School Dept	Contest is held and entries are received, judged, & displayed	Have received the information and materials from SuAsCo. Works in conjunction with the school lesson plan. Has been delayed 6 months.	Implementation of the contest
3-2 Revised	Storm Water Photo Contest for High School Students	SuAsCo & Hudson School Dept.	Contest is held and entries are received, judged, & displayed	Additional discussions with SuAsCo and school dept	Implementation of the contest
4-2 Revised	Storm Water Summit Special Event	DPW & SuAsCo	Hold local or multi-community summit & encourage community to attend	None to date	SuAsCo will have initial discussions
5-2 Revised	Storm Water Super Summit and Conduct an Evaluation & Assessment of Public Stormwater Awareness	DPW & SuAsCo	Municipal participation in Summit, self-test distributed to 75% of residents, compile test results	None to date	None to date
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
1-3 Revised	Identify & map outfalls and receiving waters	DPW	Map all outfalls and incorporate into GIS	Approximately 80 of the outfalls, CB's, and DMH's have been identified and placed on a map	Continue to map and incorporate into our GIS system.
2-3 Revised	Database of existing structures	DPW	Locate all structures and develop rating & maintenance plan	Have started a database on all structures and outfalls identified and develop a module to adapt to the GIS system	Continue compiling the database
3-3 Revised	Develop and implement a Storm water ordinance	DPW & Town Boards	Have an ordinance adopted within 12 months	A new Town Planner and Conservation Agent have been hired by the Town. This has slowed progress, but will help as we go forward.	Continue discussions and work towards adopting an ordinance
4-3 Revised	Inform Public, employees, businesses of illicit discharges	DPW	To inform who, what, where, and how to detect an illicit discharge	Have started developing a system of how we are going to attack the identification of illicit discharges.	Continue developing our system.
5-3 Revised	Develop & implement an illicit discharge plan	DPW	Review existing mechanisms and determine how to regulate illicit discharges and develop a bylaw	None to date	None to date
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
1-4	Sediment & Erosion Control Ordinance	DPW & All Boards	Have an ordinance for erosion control within 12 months	A new Town Planner and Conservation Agent have been hired by the Town. This has slowed progress, but will help as we go forward.	To continue working on the ordinance and look to have approved by Town.
Revised					
2-4	Develop procedures for site plan review	DPW & All Boards	All construction activities to submit plan for review prior to start of construction	A new Town Planner and Conservation Agent have been hired by the Town. This has slowed progress, but will help as we go forward	Continue development and meet with various boards to inform to implement the site plan review requirements
Revised					
3-4	Procedures for site inspections and enforcement	DPW & All Boards	Develop new procedures and documentation format	Have started to compile info for inspections and have had informal discussions with inspectors. Have implement new requirements for the inspectors to look for.	Continue to proceed forward with the procedures
Revised					
4-4	Sanctions to ensure compliance	DPW & All Boards	To establish fines and penalties for non-compliance	None to date	Work with various departments and boards to explore options.
Revised					
5-4	Require control of waste from construction sites	DPW & Building Dept.	Develop a Management Plan aimed at recycling	None to date	None to date
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 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
1-5 Revised	Post Construction Ordinance	DPW & All Boards		Discussions have started with various boards	Work towards implementing ordinance
2-5 Revised	Long-Term O&M of BMP's	DPW		Started working on maintenance plans for DPW and working them into our schedule.	Continue maintenance plan.
3-5 Revised	Inventory of all BMP's within Town jurisdiction	DPW		None to date	Develop database of Town's BMP's
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 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
1-6	Employee Training	DPW	Inform employees on what our goals are with this permit	Continue updating employees on the progress of the permit	Continue updating employees on the progress of the permit
Revised					
2-6	Municipal Vehicle Wash Area	DPW	To bring our wash area into compliance	Have built a temporary sedimentation trench to capture washwater and treat prior to discharge into an open field area.	Develop a plan of action and approach Selectmen on budgetary ideas
Revised					
3-6	Material Management	DPW	Inventory and properly store all material used at DPW	Cleaned up our maintenance yard and have implemented a plan with employees on how to dispose of materials properly.	Develop a plan of action and approach Selectmen on budgetary ideas
Revised					
4-6	Catch Basin Cleaning Disposal Plan	DPW	Catalog and dispose of material from CB's properly	Our catchbasin cleaning contract has been revised to make sure the waste is disposed of properly and is continued on a yearly basis.	To start a catalog and inform Selectmen of possible increase in budget if needed
Revised					
5-6	Stream Cleanup Day	DPW, Community, SuAsCo	To remove all debris from the rivers and banks	Continue cleaning Assabet River and expand the days and waterways to be cleaned	Continue cleaning Assabet River and expand the days and waterways to be cleaned
Revised					
Revised					

6a. 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 2 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 3
1-7	Installation of leaching catch basins using a S319 Grant (Lake Boon)	DPW	To install CB's and eliminate point source discharges	submitted design plans to DEP for drainage systems. Plans have not been approved as of this date.	To start to install catch basins
Revised					
2-7	Educational Pamphlets	DPW & Board of Health	To distribute flyers to encourage inspection and improvement of septic systems around Lake Boon	None to date	To work with the local Lake Boon Commission and Association on the pamphlets and request money through the Selectmen for printing of the flyers.
Revised					

7a. Additions

7b. WLA Assessment

The S319 Grant was obtained by the Lake Boon Association and the Lake Boon Commission. The DPW has agreed to cooperate with both groups in helping to reduce phosphorus loading and other contaminants from entering Lake Boon. The Town as well as the two groups agreed that installing catch basin with leaching trenches were best because it will recharge the groundwater as well as stop direct discharge into the Lake. The two groups will be responsible for sampling pre and post construction runoff. The DPW has submitted drainage calculations and details to the DEP this spring for their approval. Once we have their approval , we can then proceed to install the catch basins.

Part IV. Summary of Information Collected and Analyzed

We have not started any water quality test in general at this time. The recreation department does test the water at the Town Beach on Fort Meadow Reservoir. I do not have those results at this time, but will include the results in future reports.

Part V. Program Outputs & Accomplishments (OPTIONAL)

Programmatic

Stormwater management position created/staffed	(y/n)	N
Annual program budget/expenditures	(\$)	\$3,000

Education, Involvement, and Training

Estimated number of residents reached by education program(s)	(# or %)	1500
Stormwater management committee established	(y/n)	Y
Stream teams established or supported	(# or y/n)	Y
Shoreline clean-up participation or quantity of shoreline miles cleaned	(y/n or mi.)	Y 6 Miles
Household Hazardous Waste Collection Days		
▪ days sponsored	(#)	2
▪ community participation	(%)	N/A
▪ material collected Haz. Waste days are conduted by Intel and BP Trucking not Town	(tons or gal)	N/A
School curricula implemented	(y/n)	y

Construction

Number of construction starts (>1-acre)	(#)	3
Estimated percentage of construction starts adequately regulated for erosion and sediment control	(%)	3
Site inspections completed	(# or %)	100%
Tickets/Stop work orders issued	(# or %)	0
Fines collected	(# and \$)	0
Complaints/concerns received from public	(#)	1

Post-Development Stormwater Management

Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control	(%)	100
Site inspections completed	(# or %)	100
Estimated volume of stormwater recharged	(gpy)	N/A

Operations and Maintenance

Average frequency of catch basin cleaning (non-commercial/non-arterial streets)	(times/yr)	1
Average frequency of catch basin cleaning (commercial/arterial or other critical streets)	(times/yr)	1
Total number of structures cleaned	(#)	2200
Storm drain cleaned	(LF or mi.)	1000LF
Qty. of screenings/debris removed from storm sewer infrastructure	(lbs. or tons)	50+/-
Disposal or use of sweepings (landfill, POTW, compost, recycle for sand, beneficial use, etc.)		Beneficial use
Cost of screenings disposal	(\$)	N/A

Average frequency of street sweeping (non-commercial/non-arterial streets)	(times/yr)	1
Average frequency of street sweeping (commercial/arterial or other critical streets)	(times/yr)	30
Qty. of sand/debris collected by sweeping	(lbs. or tons)	6000
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.)	(location)	Beneficial use
Cost of sweepings disposal	(\$)	N/A
Vacuum street sweepers purchased/leased	(#)	0
Vacuum street sweepers specified in contracts	(y/n)	N

Reduction in application on public land of: (“N/A” = never used; “100%” = elimination)		
▪ Fertilizers	(lbs. or %)	30%
▪ Herbicides	(lbs. or %)	30%
▪ Pesticides	(lbs. or %)	30%

Anti-/De-Icing products and ratios	% NaCl % CaCl ₂ % MgCl ₂ % CMA % Kac % KCl % Sand	15% 85%
Pre-wetting techniques utilized	(y/n)	N
Manual control spreaders used	(y/n)	Y
Automatic or Zero-velocity spreaders used	(y/n)	Y
Estimated net reduction in typical year salt application	(lbs. or %)	0
Salt pile(s) covered in storage shed(s)	(y/n)	Y

Storage shed(s) in design or under construction	(y/n)	N/A

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