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June 19, 2006

Thelma Murphy-Stormwater Coordinator
United State Environmental Protection Agency
Region 1
Water Technical Unit
1 Congress Street, Suite 1100
Boston, MA 02114

Received 6-22-06

Subject: Millville, MA
NPDES Phase II Stormwater Management Plan
Annual Evaluation – Year 3

To Permit Reviewers:

On behalf of the Town of Millville, we are submitting the following NPDES Phase II Stormwater Management Plan Annual Evaluation for Year 3 as required by the United States Environmental Protection Agency (US EPA) and the Massachusetts Department of Environmental Protection (MA DEP) for coverage under the US EPA NPDES Stormwater General Permit.

If there are any questions or comments with respect to any of the information contained in the Annual Evaluation or the accompanying detailed plan, please do not hesitate to contact the undersigned.

Very truly yours,

Earth Tech, Inc.

Timothy F. Oakes
Civil/Environmental Engineer

cc: Helen Coffin, Executive Secretary, Town of Millville w/ attachments

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Annual Report

National Pollutant Discharge Elimination System Phase II Stormwater Management Plan Millville, Massachusetts

2006 Annual Report – Year 3 NPDES Small MS4 MA R041138

Prepared for:

Millville, Massachusetts
8 Central Street
Millville, Massachusetts 01529

Prepared by:

Earth Tech, Inc.
196 Baker Avenue
Concord, Massachusetts 01742

Reports Submitted to:

United State Environmental Protection Agency
Water Technical Unit
P.O. Box 8127
Boston, MA 02114

Massachusetts Department of Environmental Protection
Division of Watershed Management
627 Main Street
Worcester, Massachusetts 01608

May 2006

63588

EarthTech
A Tyco International Ltd. Company

Municipality/Organization: Millville, MA

EPA NPDES Permit Number: **MA R041138**

MaDEP Transmittal Number: **W 063418**

Annual Report Number & Reporting Period: **No. 1: March 05-March 06**

NPDES Phase II Small MS4 General Permit

Annual Report

Part I. General Information

Contact Person: Helen Coffin Title: Executive Secretary

Telephone #: 508-883-1186 Email: execsec@millvillema.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: Helen M. Coffin

Printed Name: Helen Coffin

Title: Executive Secretary

Date: April 25, 2006

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1.0 INTRODUCTION AND BACKGROUND

In 1990, the United States Environmental Protection Agency (EPA) began implementing a stormwater management program under the National Pollutant Discharge Elimination System (NPDES). This program, known as Phase I of the NPDES stormwater program, was intended to reduce pollution in stormwater discharges for large urban areas with populations of 100,000 or greater.

On December 8, 1999, the Phase II Rule of the NPDES stormwater program was published to address Municipal Separate Storm Sewer Systems (MS4s) within urban areas of populations less than 100,000 that were not addressed under the Phase I program. The objectives of the Phase II rule are for the MS4s to develop, implement and enforce a storm water program designed to reduce the discharge of pollutants to the maximum extent practicable, to protect water quality, and to satisfy the appropriate water quality requirements of the Clean Water Act.

On May 1, 2003 the EPA issued the General Permit for Stormwater Discharges from MS4s. The general permit requires that the stormwater program for each MS4 submit an annual report. The following report contains information regarding the activities on the stormwater program for the previous calendar year. The contents of the report contain the information required in the general permit as follows: (a) Self-Assessment Review of Compliance with the Permit Conditions; (b) Assessment of the Appropriateness of the selected BMPS; (c) Assessment of the Program towards Achieving the Measurable Goals; (d) Summary of the Results of Any Information that has been Collected and Analyzed; (e) Discussion of Activities for the Next Reporting Cycle; (f) Discussion of any Changes in Identified BMPs or Measurable Goals; and (g) Reference any Reliance on another Entity for Achieving any Measurable Goal.

2.0 REVIEW OF COMPLIANCE WITH THE PERMIT CONDITIONS

The Town of Millville filed a National Pollutant Discharge Elimination System (NPES) Phase II Stormwater Management Plan in June 2003. On September 18, 2003, the EPA sent a letter to the town stating that the stormwater program was currently in compliance with the conditions of the General permit. On May 1, 2004, May 1, 2005 and May 1, 2006, the Town filed the Annual Report for Years 1, 2 and 3 respectively.

The Town Millville has completed the required self-assessment for the Year 3 Annual Report and has determined that the municipality is in compliance with all permit conditions.

3.0 ASSESSMENT OF THE APPROPRIATENESS OF THE SELECTED BMPS

Most of the Best Management Practices (BMPs) selected by the Town for the stormwater program were appropriate for the town of Millville. These BMPs are presented in Section 4.0.

With regard to public education, the town initially proposed mailing stormwater brochures. Instead, the town has decided to post materials in key town locations, such as the library and town hall along with a Stormwater Poster. The public educational information will be posted in year 4

4.0 SUMMARY OF MINIMUM CONTROL MEASURES

The following outlines the Town's progress in achieving the measurable goals for the third year. The annual evaluation of BMPs is also detailed in Table 4-1 – Annual Evaluation of Minimum Control Measures. Table 4-1 also discusses activities for the next reporting cycle, and identifies any changes in the identified BMPs or measurable goals.

4.1 PUBLIC EDUCATION AND OUTREACH

Millville is working on several aspects of public education. The town continues to review several sample educational materials provided by the EPA. The town plans to create a stormwater poster and brochure. The town has altered the educational goals to display the educational materials in key public buildings, such as the Town Hall instead of mailing the materials. In addition, the town continues to work with the Blackstone River Watershed Association (BRWA). The Town attended a Water Resources workshop on April 28, 2005 presented by the BRWA.

4.2 PUBLIC PARTICIPATION AND INVOLVEMENT

The Stormwater Management Team (SWMT) is working towards public participation in stormwater events. The team is reviewing materials for distribution on the proposed canoe trip. The team is also involved with the public events held by the Blackstone River Watershed Association. This effort is detailed in a letter from the Executive Secretary included in Attachment A.

The town has arranged for the Sheriff's office to supply the staff to accomplish the outfall stenciling task and is stated in a letter from the Sheriff's office in Attachment B. In addition, a proposed stencil is included in Attachment C.

4.3 ILLICIT DISCHARGE DETECTION AND ELIMINATION

The Board of Health and Highway Department made visual inspections of all the stormwater outfalls and no visual evidence of contamination was found. Currently, if any illicit discharges are found by the Board of Health or Department of Public Works, they report their findings to the Board of Selectmen (BOS). The town is working to formalize a reporting procedure with the Board of Health and the Conservation Commission, as detailed in Attachment D. The Board of Health has developed a Bylaw prohibiting non-stormwater discharges into the storm sewer system which still must be accepted by the town. Bylaw section seven covers enforcement procedures. The proposed Bylaw is included in Attachment E.

TABLE 4-1
ANNUAL EVALUATION OF MINIMUM CONTROL MEASURES
NPDES PHASE II STORMWATER MANAGEMENT PLAN
MILLVILLE, MASSACHUSETTS

BMP Category in Notice of Intent (NOI)		BMP	Department Responsible for implementing BMP	Measurable Goals	Tim
1.0 'ublic Education and Outreach					
1.1	Material Distribution	Distribute educational material	Conservation Commission	Display educational material	Review Educational public buildings s I
1.2	Other	Work with the Blackstone River Watershed Association	Board of Health / Conservation Commission	Completion of Tasks	Continues working Watershed Associat educat
2.0 lic Involvement and Participation					
2.1	Public Involvement	Organize periodic canoe trips to inspect outfalls to Blackstone River and educate residents	Board of Health / Conservation Commission	Completion of Tasks	Ca
2.2	Municipal Roads	Storm drain stenciling or stickering program	Conservation Commission	Completion of Tasks	Stencil 100
2.3	Watershed Organizations	Work with the Blackstone River Watershed Association		Completion of Tasks	The Town of Mil Blackstone River coordinate and im education and Pu
3.0)ischarge Detection and Elimination					
3.1	Stormwater System Mapping	Map Outfalls, Pipes, Manholes and Catch Basins	Highway Department	Completion of each task	GPS Structur
		Map Detention Basins, Water Quality Inlets, Etc.	Highway Department	Completion of each task	GPS Structur
3.2	Regulatory Mechanism	Develop By-Laws prohibiting non-storm water discharges into storm sewer system and illegal dumping. By-Laws shall cover enforcement procedures.	Board of Health	Completion of each task	Form Technical Con E
3.3	Illicit Discharge Detection/Elimination Prioritization Plan	Identify priority areas likely to have illicit discharges	Highway Department / Board of Health	Visual inspection of outfalls	Visual inspection of
		Develop and implement a plan to detect and address non-storm water discharges	Highway Department / Board of Health	Plan Development (if required)	Schedule to be detei of outfalls reveal ev
3.4	Post Removal Evaluation and Assessment	Report on conditions after illicit connections have been removed	Board of Health	Report (if required)	Prepare report if located and el

...r Goals	Progress on Goals for Year 3	Planned Activities Permit Year 4	Revisions and Additions
Materials and place in key h as the Town Hall and brary.	Educational Materials to be placed in key public buildings by end of 2006	Display Educational Materials in key public buildings such as the Town Hall and Library.	The Town has cancelled the mailing of educational material in favor of posting of the material at key public buildings
ith the Blackstone River n to update training and n programs	The town continues to work with the Blackstone River Watershed Association	Continues working with the Blackstone River Watershed Association to update training and education programs	
oe Trip	The town is to participate in the Blackstone River Watershed Association Stream Team and Canoe Race	Canoe Trip	
ercent of outfalls	Town to have all outfalls stenciled by the end of May 2006	Inspect outfalls to see if stenciling of outfalls needs to be done again.	The Sheriff's department will provide the staff to stencil outfalls
ille will work with the atershed Association to ement additional Public lic outreach programs		The Town of Millville will work with the Blackstone River Watershed Association to coordinate and implement additional Public education and Public outreach programs	
/Prepare GIS Map	Planned for May 2006	Town to review outfall mapping	Pictures of all outfalls will be taken when the outfalls are GPSed for mapping
/Prepare GIS Map	Planned for May 2006	Town to review outfall mapping	
ittee. Develop Goals for -Law.	Completed By-law	Monitor implementation of accepted and approved By-law	
tfalls and GPS structures	Planned for May 2006	Annual outfall evaluation and inspection	
ined if visual inspections ence of illicit discharges	Will develop plan if evidence of contamination is found during inspection	Schedule to be determined if visual inspections of outfalls reveal evidence of illicit discharges	
illicit discharges are inated in that year	Dependent on finding illicit connections	Prepare report if any illicit discharges are located and eliminated in that year	

TABLE 4-1
ANNUAL EVALUATION OF MINIMUM CONTROL MEASURES
NPDES PHASE II STORMWATER MANAGEMENT PLAN
MILLVILLE, MASSACHUSETTS

BMP Category in Notice of Intent (NOI)		BMP	Department Responsible for implementing BMP	Measurable Goals	Sta
4.0	**Construction Site Storm Water Runoff Control**				
4.1	Regulatory Mechanism	Develop and implement By-Laws regulating erosion and sediment control for construction sites utilizing appropriate BMPs	Planning Board	Completion of each task	Revi
		Impose Sediment and Erosion Control BMP Requirements	Planning Board	Completion of each task	Revi
		Evaluate sanctions for enforcement of erosion and sediment controls	Planning Board	Completion of each task	Revie
4.2	Site Plan Review Procedures	Pre-Construction Review of Storm Water Pollution Prevention Plan (SWPPP)	Planning Board	Each Project	Ide
4.3	Site Inspection/ Enforcement Procedures	Conduct construction site inspections	Planning Board	Each Project	Ide
		Develop a procedure for non-compliance	Planning Board	Develop Procedure	Draf
5.0	**ter Management in New Development and Redevelopment**				
5.1	Regulatory Mechanism	Develop and implement By-Laws regulating controls for post-construction runoff utilizing appropriate BMPs	Planning Board	Completion of each task	Dra
5.2	Review BMP Designs	Pre-construction Review for conformance with standards/regulations	Planning Board	Each Project	Identify Sta
5.3	Site Inspection/ Enforcement Procedures	Conduct construction site inspections	Planning Board	Each Project	Identify Sta
5.4	O&M Procedures	Develop Procedure for Operation and Maintenance of Structural BMPs	Highway Department	Completion of each task	Draf
6.0	**and Good Housekeeping for Municipal Operations**				
6.1	Employee Training Program	Training On Spill Reporting and Response Protocols and Hazardous Materials Training	Fire Department	Annually conduct training	The BMP was compl Fire department co Spill Reporting an Hazardous
6.2	Storm Water System Operation and Maintenance	Storm sewer system and catch basin inspection program	Highway Department	Annual inspection of the system	Implement Reco
		Structural BMP inspection and maintenance program	Highway Department	Annual inspection of structural BMPs	Inspect catch basins frequency sl
6.3	Parks and Open Space	Fertilizer and pesticide application and management controls	Parks Department	Annually summarize applications	Updated Recor
6.4	Municipal Roads	Street sweeping	Highway Department	Implement Program	The Town's Executi of working with tl documenting street clean

ar Goals	Progress on Goals @ Year 3	Planned Activities Permit Year 4	Revisions and Additions
w By-laws	Completed and needs to be Accepted at Town meeting	Enforce By-laws	
w By-laws	Completed and needs to be Accepted at Town meeting	Enforce By-laws	
/ Sanctions	Completed and needs to be Accepted at Town meeting	Enforce By-laws	
tify Staff	Review in year 4 to coordinate with approved By-law	Identify Staff	Identify Staff - Moved to year 4
tify Staff		Identify Staff	Identify Staff - Moved to year 5
Procedure		Draft Procedure	Draft Procedure - Moved to year 4

By-Law	By-law completed, to be reviewed and accepted by town Committee	Implement By-law	
to complete task	Review in year 4 to coordinate with By-law	Staff to implement By-law	
to complete task		Staff to monitor enforce of By-law	
procedure			

ed by the Fire Dept. The lucts annual training on Response Protocols for Vaste materials.	Task completed	Conduct Fire department annual training on Spill Reporting and Response Protocols for Hazardous Waste materials.	
Keeping Procedures	The Town's Executive Secretary is working with the highway surveyor on documenting street sweeping and catch basin cleaning issues.	Update Record Keeping	
nd determine if cleaning uld be increased	On going Inspection of catch basins		
Keeping Procedures	The Town formalized procedures by requesting an annual report from the Parks & Recreations Department if chemicals for pesticide or fertilizing are used.		Edited to reflect BMP completion
Secretary is in progress highway surveyor on veeping and catch basin g issues.	The Town's Executive Secretary is working with the highway surveyor on documenting street sweeping and catch basin cleaning issues.		

The Town's Executive Secretary is working with the highway surveyor to document street sweeping and catch basin cleaning. Attachment F includes invoices for street sweeping services completed in 2005. The mapping of the stormwater drains and/or catch basin for both existing and new structures is scheduled to take place in year 4. Earth Tech will perform the task of photographing, evaluating and mapping of the outfalls.

4.4 CONSTRUCTION SITE AND POST-CONSTRUCTION RUNOFF CONTROL MEASURES

The Town's Board of Selectmen formed a technical committee and has develop goals for construction site and post construction runoff control bylaws. The technical committees comprised of members of the BOS, the Central Regional Planning Commission and the Town's attorney. The Committee has drafted a proposed Bylaw, reviewed BMPs, and has created goals for sanctions. The proposed Bylaw will be voted on at a Town meeting in year 4. Attachment E includes the proposed Bylaw.

4.5 POLLUTION PREVENTION/GOOD HOUSEKEEPING

In regards to potential hazardous material spills, the Town Fire Department is trained to respond to such instances. All members of the Fire Department are trained to the operational level. On May 21st and 22nd, 2004 department members attended a seminar on decontamination. The Fire Department continues to attend workshops that are sponsored by the Department of Environmental Protection, Mobil Oil, Providence and Worcester Railroad, Mass Electric and Algonquin Gas on Hazardous Material Issues, as described in Attachment D.

With regards to pesticides and fertilizers, the Soldiers Memorial Park is the only area in town that is fertilized (3 times per year) and the service is provided through a contracted licensed lawn service. The Town formalized an application reporting procedure for pesticides and fertilizers. The Town's Parks and Recreation Department is responsible for reporting any applications to the Town's Executive Secretary as noted in Attachment G. In addition, the Highway Department annually inspects all catch basins and cleans all that need cleaning (usually 250-275 catch basins) per year. The Highway Department also contracts out to have all town roads swept every spring.

5.0 PROGRAM OUTPUTS AND ACCOMPLISHMENTS

Programmatic

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

Education, Involvement, and Training

Estimated number of residents reached by education program(s)	(# or %)	N/A
Stormwater management committee established	(y/n)	N/A
Stream teams established or supported	(# or y/n)	N/A
Shoreline clean-up participation or quantity of shoreline miles cleaned	(y/n or mi.)	N/A
Household Hazardous Waste Collection Days - Regionally with other Towns		N/A
▪ days sponsored	(#)	150
▪ community participation	(%)	25%
▪ material collected	(tons or gal)	UNK
School curricula implemented	(y/n)	N

Construction

Number of construction starts (>1-acre)	(#)	N/A
Estimated percentage of construction starts adequately regulated for erosion and sediment control	(%)	N/A
Site inspections completed	(# or %)	N/A
Tickets/Stop work orders issued	(# or %)	NONE
Fines collected	(# and $)	NONE
Complaints/concerns received from public	(#)	NONE

Operations and Maintenance

Average frequency of catch basin cleaning (non-commercial/non-arterial streets)	(times/yr)	1/year
Average frequency of catch basin cleaning (commercial/arterial or other critical streets)	(times/yr)	1/year
Total number of structures cleaned	(#)	250
Storm drain cleaned	(LF or mi.)	0
Qty. of screenings/debris removed from storm sewer infrastructure	(lbs. or tons)	Unknown
Disposal or use of sweepings (landfill, POTW, compost, recycle for sand, beneficial use, etc.)		LANDFILL
Cost of screenings disposal	($)	N/A
Average frequency of street sweeping (non-commercial/non-arterial streets)	(times/yr)	1/year
Average frequency of street sweeping (commercial/arterial or other critical streets)	(times/yr)	1/year
Qty. of sand/debris collected by sweeping	(lbs. or tons)	Unknown

Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.)	(location)	LANDFILL
Cost of sweepings disposal	($)	$8,830.00
Vacuum street sweepers purchased/leased	(#)	CONTRACTED
Vacuum street sweepers specified in contracts	(y/n)	N
Reduction in application on public land of: ("N/A" = never used; "100%" = elimination)		N/A
▪ Fertilizers	(lbs. or %)	N/A
▪ Herbicides	(lbs. or %)	N/A
▪ Pesticides	(lbs. or %)	N/A
Anti-/De-Icing products and ratios	% NaCl % $CaCl_2$ % $MgCl_2$ % CMA % Kac % KCl % Sand	N/A
Pre-wetting techniques utilized	(y/n)	N
Manual control spreaders used	(y/n)	N
Automatic or Zero-velocity spreaders used	(y/n)	Y
Estimated net reduction in typical year salt application	(lbs. or %)	N/A
Salt pile(s) covered in storage shed(s)	(y/n)	Y
Storage shed(s) in design or under construction	(y/n)	N/A

ATTACHMENT A

Correspondence to Board of Health and Conservation Commission Regarding Stormwater

Executive Secretary

TOWN OF MILLVILLE

MASSACHUSETTS 01529

Longfellow Municipal Center
8 Central Street
P.O. Box 703
Phone (508) 883-1186
Fax (508) 883-2994

April 14, 2005

To: Board of Health
ConCom

From: Sue Horne

Re: Stormwater II issues

The Board of Health and the Conservation Commission have certain responsibilities for Stormwater II:

1. Public Education and Outreach: The Town of Millville needs to work with the Blackstone River Watershed Association to coordinate and implement Public Education and Outreach programs. If you could contact the Blackstone River Watershed Assoc. and request materials from them concerning the river to have available at Town Hall, that requirement at this time will be satisfied.

2. Public Involvement & Participation: it has been suggested that BOH/ConCom inspect outfalls to the River periodically and that the BoardCom form a committee to stencil storm drains (for more info on this, the Town of Northbridge arranged for volunteers to complete this task; it has been suggested that scout or a biology class can help).

3. Illicit Discharge/Detection and Elimination: the Board of Health needs to develop bylaws prohibiting non-storm water discharges into storm sewer and illegal dumping; bylaws need to cover enforcement procedures; the Board of Health also needs to prepare reports on identifying locations and elimination of illicit dumping to be included in the Stormwater II reporting process.

EPA mandates the Town to be in compliance and to file annually an updated report on the status of compliance. Please keep me appraised on your Board/Commission's compliance.

Thank you and if you have any questions please contact me.

ATTACHMENT B

Correspondence with the Sheriff's Office in regards to Stenciling Catch Basins

Executive Secretary

TOWN OF MILLVILLE

MASSACHUSETTS 01529

Longfellow Municipal Center
8 Central Street
P.O. Box 703
Phone (508) 883-1186
Fax (508) 883-2994

February 27, 2006

Guy W. Glodis, Sheriff
Worcester County House of Correction
5 Paul X. Tivnan Drive
West Boylston, MA 01583

Re: **Community Service Program Request**

Dear Sheriff Glodis:

The Town of Millville would like to take advantage of your Community Service Program. At the direction of Lieutenant Shepard I am making this request in writing.

Pursuant to the Massachusetts Stormwater Management Policy, the Town of Millville is required to paint/stencil information at most of the catch basins in Town. This project has been postponed numerous times and needs to be completed as soon as possible, weather permitting (in the spring). In addition, due to the Town's recent decision to implement parking violations, it is necessary to have street/sidewalk painting done to several areas in Town. Therefore, the scope of work the Town is requesting consists of outdoor painting.

If the work explained above fits the services your program provides, the Town is eager to take advantage of this community program. Should you have any questions with respect to the details of the work, please contact our Board of Health secretary, Laura. If I can be of any assistance in arranging for these services, please feel free to give me a call. I look forward to hearing from you soon.

Thank you for your consideration.

Sincerely,

Helen M. Coffin

Helen M. Coffin

cc: Board of Health

Executive Secretary

TOWN OF MILLVILLE

MASSACHUSETTS 01529

Longfellow Municipal Center
8 Central Street
P.O. Box 703
Phone (508) 883-1186
Fax (508) 883-2994

MEMORANDUM

TO: Laura Cameron, Board of Health
John Dean, Highway Surveyor

CC: Board of Selectmen

FROM: Helen M. Coffin

DATE: March 6, 2006

RE: Stormwater Stenciling and Crosswalk Painting Projects

I received a telephone call this afternoon from Greg Shepherd of the Sheriff's Office, confirming his receipt of my letter requesting assistance with the above-mentioned projects. Greg informed me that our request has been approved and the painting work will be done in early May. He will call one week before to give us notice. The Town will need to provide the materials: paint, paintbrushes, buckets and safety cones (as well as the actual stencil for the catch basins). The men will have everything else required.

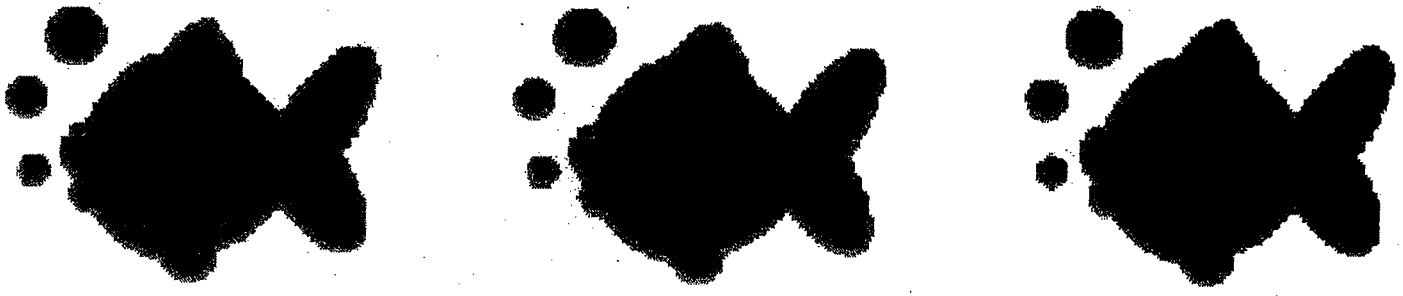
Laura, could you please let me know if you will be able to get the stenciling materials again, for early May. John, could you please confirm you have the paint and supplies available for the Crosswalk painting.

Please let me know if you have any questions. Thank you.

ATTACHMENT C

Example of Catch Basin Stencil

PLEASE! DON'T POLLUTE!



DRAINS TO RIVER

ATTACHMENT D

Correspondence from Executive Secretary in regards to Stormwater

Executive Secretary

TOWN OF MILLVILLE

MASSACHUSETTS 01529

Longfellow Municipal Center
8 Central Street
P.O. Box 703
Phone (508) 883-1186
Fax (508) 883-2994

April 26, 2005

To: Amy Charest

From: Sue Horne

Re: Stormwater II

Enclosed please find signed sheet for Annual Report for Stormwater II; I have attached a memo that has been sent to BOH/ConCom. I have also sent the attached memo to Parks and Recreation

The Fire Department, all members are trained to the operational level; March 9th&16th members attended awareness seminar and May 21st and 22nd will be attending seminar on decontamination. The Fire Department attends workshops that are sponsored by Department of Environmental Protection, Mobil Oil, Providence and Worcester Railroad, Mass Electric and Algonquin Gas on Hazmat issues.

I am working with the Highway surveyor on documenting street sweeping and catch basin cleaning issues as well as paper mapping of stormwater drains and/or catch basins for both existing structures and new structures that are or will be installed.

Abby, also when you have a chance the Town has not appropriated funding for this project for FY06 – please provide me with an estimate for you continue next year and I will try to get an appropriation.

Thanks for you help.

ATTACHMENT E

Stormwater Management Draft Bylaw

Final for Submission to Warrant

STORMWATER MANAGEMENT BYLAW

Town of Millville

Land development projects and other land use conversions, and their associated changes to the land cover, permanently alter the hydrologic response of local watersheds and increase stormwater runoff rates and volumes, which in turn increase flooding, stream channel erosion, and sediment transport and deposition, and decrease groundwater recharge;

Land development projects and other land use conversions also contribute to increased nonpoint source pollution and degradation of receiving waters;

The impacts of post-development stormwater runoff quantity and quality can adversely affect public safety, public and private property, surface water drinking supplies, ground-water resources, drinking water supplies, recreation, aquatic habitats, fish and other aquatic life, property values and other uses of lands and waters;

These adverse impacts can be controlled and minimized through the regulation of stormwater runoff quantity and quality from new development and redevelopment, by the use of both structural and nonstructural Best Management Practices;

Localities in the Commonwealth of Massachusetts are required to comply with a number of both State and Federal laws, regulations and permits which require a community to address the impacts new construction stormwater runoff, post-development runoff and nonpoint source pollution;

Therefore, the Town of Millville has established this stormwater management bylaw to provide reasonable guidance for the regulation of construction site/alteration, post-development stormwater runoff for the purpose of protecting local water resources from degradation. This bylaw also regulates construction and post-construction storm water controls for both new and re-development projects.

SECTION I: PURPOSES

The purposes of this Bylaw are to:

1. Protect, maintain and enhance the public health, safety, environment and general welfare by establishing minimum requirements and procedures to control the adverse effects of construction site/alteration runoff, post-development storm water runoff and non-point source pollution associated with new development and re-development;
2. Protect, maintain and enhance public health, safety, environment and general welfare by establishing minimum standards and procedures to control runoff and prevent soils erosion and sedimentation resulting from construction/alteration and development.

This Bylaw seeks to meet these purposes through the following objectives:

1. Establish decision-making processes surrounding land development activities that protect the integrity of the watershed and preserve the health of water resources;
2. Require that new development, re-development and all land conversion activities maintain the after-development runoff characteristics as equal to or less than the pre-development runoff characteristics;

3. Establish minimum construction site/alteration and post-development stormwater management standards and design criteria for the regulation and control of storm water runoff quantity and quality; Establish minimum design criteria for measures to minimize nonpoint source pollution from storm water runoff;
4. Establish design and application criteria for the construction and use of structural storm water control facilities that can be used to meet the minimum construction/alteration and post-development storm water management standards;
5. Encourage the use of Best Management Practices (BMPs) as recommended by the State Department of Environmental Protection;
6. Establish provisions for the long-term responsibility for and maintenance of structural storm water control facilities and non-structural storm water management practices to ensure that they continue to function as designed, are maintained, and pose no threat to public safety;
7. Establish provisions to ensure there is an adequate funding mechanism, including surety, for the proper review, inspection, and long-term maintenance of storm water facilities;
8. Establish administrative procedures and fees for the submission, review, approval or disapproval of storm water management plans, and for the inspection of approved active projects, and long-term follow-up.

Nothing in this bylaw is intended to replace the requirements of either the Town of Millville's Flood Plain Zoning Bylaw, the Town of Millville's Wetlands Protection Bylaw, or any other Bylaw that may be adopted in the future by the Town of Millville.

SECTION II: DEFINITIONS

The following definitions shall apply in the interpretation and implementation of this Bylaw.

ALTER: Any activity which will measurably change the ability of a ground surface area to absorb water or will change existing surface patterns.

BEST MANAGEMENT PRACTICE (BMP): Structural, non-structural and managerial techniques that are recognized to be the most effective and practical means to prevent and/or reduce increases in storm water volumes and flows, reduce point source and nonpoint source pollution, and promote stormwater quality and protection of the environment.

LARGER COMMON PLAN OF DEVELOPMENT OR SALE: A contiguous area where multiple separate and distinct construction activities may be taking place at different times on different schedules under one plan.

MASSACHUSETTS STORM WATER MANAGEMENT POLICY: The policy issued by the Department of Environmental Protection, as amended, that coordinates the requirements prescribed by state regulations promulgated under the authority of the Massachusetts Wetlands Protection Act, and the Massachusetts Clean Waters Act. The Policy addresses storm water impacts through implementation of performance standards to reduce or prevent pollutants from reaching water bodies and control the quantity of runoff from a site.

NEW DEVELOPMENT: Any construction or land disturbance of a parcel of land that is currently in a natural vegetated state and does not contain alteration by man-made activities.

NONPOINT SOURCE POLLUTION: Pollution from any diffuse sources caused by rainfall or snowmelt moving over and through the ground. As the runoff moves, it picks up and carries away natural and human-made pollutants, finally depositing them into water resource areas.

PERSON: An individual, partnership, association, firm, company, trust, corporation, agency, authority, department or political subdivision of the Commonwealth or the federal government, to the extent permitted by law, and any officer, employee, or agent of such person.

PRE-DEVELOPMENT: The conditions that exist at the time that plans for the land development of a tract of land are submitted to the Planning Board. Where phased development or plan approval occurs, the existing conditions at the time prior to the first plan submission shall establish pre-development conditions.

POST-DEVELOPMENT: The conditions that reasonably may be expected or anticipated to exist after completion of the land development activity on a specific site or tract of land. Post-development refers to the phase of a new development or redevelopment project after completion, and does not refer to the construction phase of a project.

RECHARGE: The replenishment of underground water resources.

REDEVELOPMENT: Any construction, alteration, or improvement project that disturbs the ground surface or increases the impervious area on a previously developed site.

STORM WATER AUTHORITY: The Millville Planning Board or its authorized agent(s) are responsible for coordinating the review, approval and permit process as defined in this Bylaw. Other Boards and/or Commissions of the Town may participate in the process as defined in the Stormwater Regulations adopted by the Planning Board.

STORMWATER MANAGEMENT PERMIT (SMP): A permit issued by the Planning Board, after review of an application, plans, and other supporting documents, which are designed to protect the environment of the Town of Millville.

SECTION III: AUTHORITY

This Bylaw is adopted under authority granted by the Home Rule Amendment of the Massachusetts Constitution, the Home Rule statutes, and pursuant to the regulations of the federal Clean Water Act found at 40 CFR 122.34, and as authorized by the residents of the Town of Millville at Town Meeting.

SECTION IV: ADMINISTRATION

1. The Planning Board shall administer, implement and enforce this Bylaw. Any powers granted or duties imposed upon the Planning Board may be delegated in writing by the Planning Board to its employees or agents.
2. The Planning Board may promulgate rules and regulations to effectuate the purposes of this Bylaw. The Planning Board may adopt, and periodically amend, rules and

regulations relating to the terms, conditions, definitions, enforcement, fees, procedures and administration of this Stormwater Management Bylaw by a majority vote of the Planning Board, after conducting a public hearing to receive comments on any proposed rules and regulations, or revisions thereto.

3. The Planning Board will utilize the policy, criteria and information including specifications and standards of the latest edition of the Massachusetts Storm Water Management Policy, as a guideline for execution of the provisions of this Bylaw.
4. The Planning Board may take the following actions as a result of an application for a Stormwater Management Permit: Approval, Approval with Conditions, Disapproval, or Disapproval without Prejudice,
5. Decision and orders of the Planning Board shall be final. Further relief shall be appealed to a court of competent jurisdiction.

SECTION V: APPLICABILITY

1. This Bylaw shall be applicable to all new development and re-development, including clearing, grading and excavation that result in a disturbance of one or more acres of land, or will disturb less than one acre of land but is part of a larger common plan of development or sale that will ultimately disturb one acre or more of land in the Town. No person shall perform any activity that results in disturbance of land that exceeds such threshold except as authorized by the Planning Board in a Stormwater Management Permit or as otherwise provided in this Bylaw.
2. Exemptions:
   i. Normal maintenance and improvement of land in agricultural use as defined by the Wetlands Protection Act regulation 310 CMR 10.14 and MGL Chapter 40A, Section 3;
   ii. Maintenance of existing landscaping, gardens or lawn areas associated with a single family dwelling; construction of patios, walkways, driveways, swimming pools, or replacement wells or septic systems on lots having an existing dwelling.
   iii. Repair or replacement of an existing roof on a single family or multiple-family dwelling.
   iv. The construction of any fence that will not alter existing terrain or drainage patterns.
   v. Construction of utilities (gas, water, electric, telephone, etc.) other than drainage, which will not alter terrain, ground cover, or drainage patterns.
   vi. Emergency repairs to any utilities, stormwater management facility or practice that poses a threat to public health or safety, or as deemed necessary by the Planning Board.
   vii. As authorized in the Phase II Small MS4 General Permit for Massachusetts, storm water discharges resulting from the activities identified in Section 4 that are wholly subject to jurisdiction under the Wetlands Protection Act and demonstrate compliance with the Massachusetts Storm Water Management Policy as reflected in an Order of Conditions issued by the Conservation Commission are exempt from compliance with this bylaw.
   viii. Any work or projects for which all necessary approvals and permits have been issued before the effective date of this Bylaw.

SECTION VI: PROCEDURES

Permit procedures and requirements shall be defined and included as part of any rules and regulations promulgated by the Planning Board as permitted under this Bylaw.

SECTION VII: ENFORCEMENT

1. The Planning Board or its authorized agent shall enforce this bylaw, regulations, orders, violation notices, and enforcement orders, and may pursue all civil and criminal remedies for such violations. Enforcement shall be further defined and included as part of any stormwater regulations promulgated under this Bylaw.
2. Criminal Penalty. Any person who violates any provision of this bylaw, regulation, order or permit issued there under, shall be punished by a fine of not more than one hundred dollars ($100). Each day or part thereof that such violation occurs or continues shall constitute a separate offense.
3. Non-Criminal Disposition. As an alternative to criminal prosecution or civil action, the Town may elect to utilize the non-criminal disposition procedure set forth in G.L. Ch. 40, § 21D, in which case the Millville Highway Superintendent shall be the enforcing person. The penalty for the 1st violation shall be twenty-five ($25). The penalty for the 2nd violation shall be fifty dollars ($50). The penalty for the 3rd and subsequent violations shall be one hundred dollars ($100). Each day or part thereof that such violation occurs or continues shall constitute a separate offense.

SECTION VIII: SEVERABILITY

The invalidity of any section, provision, paragraph, sentence, or clause of this Bylaw shall not invalidate any section, provision, paragraph, sentence, or clause thereof, nor shall it invalidate any permit or determination that previously has been issued.

ATTACHMENT F

2005 Street Sweeping Invoices

R. BRUCE BRIGGS

991 TEN ROD ROAD
EXETER, R.I. 02822

(401) 295-9992 • (401) 885-1090

DATE 10/17/05

Town of Millville MA

Detach and Return This Stub With Remittance. Amt. Remitted $ 3195.00

DATE	CHARGES AND CREDITS	BALANCE
10/5/05	Vacuum catch basins in Town at $90.00 Total hrs 35.5	3195.00
10/17/05	258 Basins JFD	
		3195.00

STCC-679-2
PRINTED IN U.S.A.

Your Check Is Your Receipt

Thank You

401-352-9777 Office

BILL TO

TOWN OF MILLVILLE
HIGHWAY DEPT.
6 CENTRAL STREET
MILLVILLE, MA 01529
ATTN: JOHN DEAN

May, 2005

P.O. NO.	SWEEP DATE	TERMS
VERBAL		Due on receipt

ITEM	DESCRIPTION	AMOUNT
WSR	SWEEPING SERVICE FOR WINTER SAND REMOVAL FROM TOWN ROADS	5,635.00 5625.00

Please pay by this invoice & include invoice # on check, please remit to above address

Total $5,635.00

$ 5625.00

ATTACHMENT G

Correspondence to Parks Dept. in Regards to Stormwater

Executive Secretary

TOWN OF MILLVILLE

MASSACHUSETTS 01529

Longfellow Municipal Center
8 Central Street
P.O. Box 703
Phone (508) 883-1186
Fax (508) 883-2994

April 26, 2005

To: Amy Charest

From: Sue Horne

Re: Stormwater II

Enclosed please find signed sheet for Annual Report for Stormwater II; I have attached a memo that has been sent to BOH/ConCom. I have also sent the attached memo to Parks and Recreation

The Fire Department, all members are trained to the operational level; March 9th&16th members attended awareness seminar and May 21st and 22nd will be attending seminar on decontamination. The Fire Department attends workshops that are sponsored by Department of Environmental Protection, Mobil Oil, Providence and Worcester Railroad, Mass Electric and Algonquin Gas on Hazmat issues.

I am working with the Highway surveyor on documenting street sweeping and catch basin cleaning issues as well as paper mapping of stormwater drains and/or catch basins for both existing structures and new structures that are or will be installed.

Abby, also when you have a chance the Town has not appropriated funding for this project for FY06 – please provide me with an estimate for you continue next year and I will try to get an appropriation.

Thanks for you help.