

Rec'd
5/3/10
P

Municipality/Organization: Northborough, Massachusetts
EPA NPDES Permit Number: MAR041143
Mass DEP Transmittal Number: W- 035921
Annual Report Number Year 7
& Reporting Period: April 1, 2009 – March 31, 2010

NPDES PII Small MS4 General Permit Annual Report (Due: May 1, 2010)

Part I. General Information

Contact Person: Frederic E. Litchfield Title: Town Engineer

Telephone #: (508) 393-5015 Email: flitchfield@town.northborough.ma.us

Mailing Address: 63 Main Street, Northborough, Massachusetts 01532

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: Frederic E. Litchfield

Printed Name: Frederic E. Litchfield

Title: Town Engineer

Date: 4-29-2010

Part II. Self-Assessment

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

- Part 1.1c Due to continued budget constraints the Auto Repair Shop brochures were not mailed to each of the local impacted businesses.
- Part 1.1g The Stormwater Flyer was not distributed to the businesses within the municipality due to continued budget constraints.
- Part 1.1h The Stormwater Media information packet has not been completed due to continued budget constraints.

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)	Planned Activities
1a	Distribute/Post Nonpoint Source Pollution Posters	Engineering Department	Post in all schools and Town Buildings	(Reliance on non-municipal partners indicated, if any) Posters were created and posted in each of the municipal buildings	Maintain posters as necessary.
1b	Air Stormwater Message on Local Cable Channel	Engineering Department	Post one message every month	Stormwater messages have aired on local cable channels but not as frequently as originally intended.	Increase effort to show stormwater messages on cable more frequently.
1c	Obtain and Distribute auto repair shop brochures	Engineering Department	Distribute to all impacted local businesses	Brochures were available but not distributed due to budget constraints for printing and mailing.	Try to increase awareness to automobile repair shops thru visits by staff if mailing is not to funded in the future.
1d	Add Stormwater information to Town's website	Engineering Department and GIS Manager	Update information quarterly to address seasonal concerns	New website has been created however due to reduced staffing this information has not been maintained.	New website design allows for easier posting of information.
1e	Stormwater flyer to community residents	Engineering Department and SuAsCo Watershed Community Council	Flyer distributed to 75% of residents and compiled and considered municipal and multi-watershed-wide "survey" results	A stormwater flyer was intended to be mailed to most of the residents in the spring of 2004 with a tax bill but legal issues prevented that task from being accomplished.	The stormwater flyer may go to some residents in the future as part of other Town utility bill mailings but will not reach all residents due to the fact that not all residents are on Town sewer or water.
1f	Stormwater Lesson Plan for Fifth Grade Students	Engineering Department and SuAsCo Watershed Community Council	Develop and distribute lesson plan to implement at the Grade 5 level, and lesson plan is taught in one or more Grade 5 classrooms in the community	The stormwater lesson plan for Fifth Grade Students was created by the SuAsCo Watershed Community Council and delivered to the school administrator's office.	The stormwater lesson plan has been implemented in the school curriculum for the fifth and sixth grade.

1g	Stormwater Flyer to Community Businesses	Engineering Department and SuAsCo Watershed Community Council	Flyer distributed to minimum of 50% of businesses in municipality, and stormwater logo displayed by one-half of businesses receiving the flyer	The stormwater flyer for community businesses was not distributed due to continued budget constraints.	Stormwater flyers will be delivered by staff if budget constraints allow in the future.
1h	Stormwater Media Campaign	Engineering Department and SuAsCo Watershed Community Council	Media Information packet delivered to the local media, and 4 press releases generated and issued to local media and major media outlets	Media information has not been distributed to local media primarily due to staff reductions and limitations on reduced staff time.	Media information will be distributed as staff time allows in the future.
1i	Stormwater Video	Engineering Department and SuAsCo Watershed Community Council	Show stormwater video at a minimum of one public meeting, and air stormwater video at least once on local cable station	The stormwater video and power point presentation was completed by the SuAsCo Watershed Community Council and was delivered to the local cable access channel but has not appeared due to technical difficulties with the renovation and expansion of the Regional High school which is where the studio is located.	The power point presentation is expected to be aired later this year and will be shown during a Conservation Commission public hearing within this calendar year.

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) (Reliance on non-municipal partners indicated, if any)	Planned Activities
2a	Stormwater Traveling Display	Engineering Department and SuAsCo Watershed Community Council	Stormwater display circulates around the community for a minimum of 3 months in permit year #1, and stormwater display is posted at a minimum of 3 different public locations in permit year #1, and stormwater display is also used in future permit years for posting in public places or at stormwater events	The stormwater display was again utilized during several town events with staff answering questions.	The stormwater display will continue to circulate between municipal buildings as time and staffing allows.
Revised					
2b	Stormwater poster contest for Fifth Grade Students	Engineering Department and SuAsCo Watershed Community Council	Poster contest is held and entries are received, judged and displayed	The information for the stormwater poster contest was delivered to the school administrator's office but was not implemented as there was a conflict with another poster contest during that time period.	The Engineering Department staff will contact the School Administration to attempt to have the poster contest inserted into the curriculum in the future.
Revised					
2c	Stormwater Photo Contest for High School Students	Engineering Department and SuAsCo Watershed Community Council Students	Photo Contest is held and entries are received, judged and displayed	The information for the stormwater photo contest was delivered to the School Administrator's office but was not implemented due to the retirement of the photography instructor.	The photography contest will be requested again in the future once an instructor is hired.
Revised					
2d	Implement Hazardous Materials Collection Day	Engineering Department	Collect materials from residents one day per year	The Town has continued to hold one Household Hazardous Waste Collection event each year in the fall.	The Town has added the collection of metal items to the annual event in order to make it more attractive for more residents.

2e Revised	Implement an Annual Volunteer Stream Clean-up Day	Engineering Department	Hold stream clean-up day once per year	The Town has held a spring Town cleanup event each year and fall stream cleanup each year.	The Town will continue to support the Town cleanup each spring and stream cleanup each fall as the budget allows and volunteers are still available.
---------------	---	------------------------	--	--	--

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) (Reliance on non-municipal partners indicated, if any)	Planned Activities
3a Revised	Map Outfalls and Receiving Waters	DPW Director, GIS Manager *Assistant DPW Director's position has been eliminated	Prepare draft map in 1 st year and map 25% of outfalls each following year	Outfalls were mapped on paper plans and filed away for future use but staff time and budget constraints continue to prevent any further work on these maps to date.	Staff time and or volunteers will be utilized in the future to complete the mapping.
3b Revised	Review Existing Bylaws and Regulations	DPW, Engineering Department, Planning Department	Determine whether bylaws & regulations meet EPA requirements	All existing bylaws and regulations were reviewed and it was determined a bylaw prohibiting illicit discharges to the municipal storm drain system was necessary.	
3c Revised	Develop Illicit Discharge Detection & Elimination Plan	DPW, Engineering Department, Planning Department	Make recommendations for plan & begin implementation by the fourth permit year	An illicit discharge plan is being developed in accordance with the guidance manual developed by the New England Interstate Water Pollution Control Commission	To customize the plan to meet the needs of the Town of Northborough.
3d	Develop/Modify General Illicit Discharge Bylaw	DPW, Engineering Department, Planning Department	Propose recommendations for developing a new bylaw or modifying the existing bylaw & make presentations for Town Meeting action	An illicit discharge bylaw was developed in year 4 and adopted at Town Meeting in year 5.	The bylaw was forwarded to the Attorney General's Office for review and approval and has been approved.

4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) (Reliance on non-municipal partners indicated, if any)	Planned Activities
4a Revised	Review Existing Regulations, and Monitoring & Enforcement Procedures	DPW, Engineering Department, Planning Department	Determine whether required EPA requirements are met	All existing bylaws and regulations were reviewed and found to be adequate with minor revisions by each Board or Committee. No Town meeting action is required.	This item has been completed.
4b Revised	Develop/Modify Regulations, and Monitoring & Enforcement Measures	Department of Public Works, Engineering Department	Propose recommendations for modifying existing regulations & practices	All existing bylaws and regulations were reviewed and found to be adequate with minor revisions by each Board or Committee. No Town meeting action is required.	This item has been completed.
4c Revised	Present New Regulations for Town Meeting Action	DPW, Engineering Department, Planning Department	Make presentations for Town Meeting action	No Town meeting action is required.	No Town meeting action is required.

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) (Reliance on non-municipal partners indicated, if any)	Planned Activities
5a Revised	Review Existing Regulations, and Monitoring & Enforcement Measures	DPW, Engineering Department, Planning Department	Determine whether required EPA requirements are met	All existing bylaws and regulations were reviewed and found to be adequate with minor revisions by each Board or Committee. No Town meeting action is required.	This item has been completed.
5b Revised	Review/modify Regulations, and Monitoring & Enforcement Measures	DPW, Engineering Department, Planning Department	Propose recommendations for modifying existing regulations & practices	All existing bylaws and regulations were reviewed and found to be adequate with minor revisions by each Board or Committee. No Town meeting action will be required.	This item has been completed.
5c Revised	Present New Regulations for Town Meeting Action	Engineering Department, Planning Department	Make presentations for Town Meeting action	No Town meeting action is required.	No Town meeting action is required.

6. Pollution Prevention and Good Housekeeping in Municipal Operations

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) (Reliance on non-municipal partners indicated, if any)	Planned Activities
6a Revised	Implement Street Sweeping Program	Department of Public Works	Sweep every street once per year	The DPW sweeps all streets within the town once per year with some streets being swept additionally as needed.	Maintain current sweeping program.
6b Revised	Implement Catch Basin Cleaning Program	Department of Public Works	Clean & Inspect all catch basins within five year permit cycle	All catchbasins have not been cleaned as originally intended. Approximately 50% have been cleaned to date due to budget constraints.	A clamshell truck was purchased and the catchbasin cleaning program has been renewed.
6c Revised	Perform Site Visits to Examine Existing Practices at Facilities	Department of Public Works, Engineering Department	Target all applicable municipal facilities and visit each annually	Site visits have been performed at each municipal facility annually.	Maintain annual site visits.
6d Revised	Train Municipal Employees at Each Facility	Department of Public Works, Engineering Department	Target all applicable municipal facilities and provide annual refreshers	Annual refreshers have been performed by upper level staff annually.	Maintain annual refreshers.
6e Revised	Perform Follow-ups to Ensure Required Practices are Met	Department of Public Works, Engineering Department	Target all applicable municipal facilities and visit each annually	Follow-up visit have been performed as necessary.	Maintain follow-up visits as necessary.

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) (Reliance on non-municipal partners indicated, if any)	Planned Activities
7a	Prioritize Stormwater System Mapping Along the Assabet River	DPW, GIS Manager	Map outfalls discharging to the Assabet River by the fourth permit year	All outfalls continue to be mapped on paper.	Volunteers and/or staff will be utilized to locate all outfalls and prepare a map layer as part of our GIS system as time and budget allow.
7b	Perform Dry Weather Inspections of Outfalls Along the Assabet River	DPW, GIS Manager	Inspect outfalls discharging to the Assabet River during dry weather by the fifth permit year	Due to continued budget constraints outfalls are inspected as needed by the DPW.	Once all outfalls are located by GPS and shown on the Town's GIS system they will each be inspected annually as staff time and budget allow.

7b. WLA Assessment (N/A).