

Municipality/Organization: Town of Middleborough, MA

EPA NPDES Permit Number: MAR041134

MassDEP Transmittal Number: X278226

Annual Report Number Year 15
& Reporting Period: April 1, 2017 – March 31, 2018

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: Robert G. Nunes

Title: Town Manager

Telephone #: 508-947-0928

Email: rnunes@middleborough.com

Mailing Address:

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: Robert G. Nunes

Title: Town Manager

Date:

4/26/18

Part II. Self-Assessment

The Town of Middleborough has completed the required self-assessment and has determined that our municipality is in compliance with all permit conditions. During this reporting period, The Town of Middleborough continued to make identifiable improvements to its stormwater management program. The Director of Public Works directly manages the stormwater program, with the input and coordination of various Town Departments. The following is provided to highlight key accomplishments made in Permit Year 15 with respect to MS4 General Permit goals and objectives:

1. Achieving regulatory compliance, particularly EPA and DEP Phase II NPDES permit requirements;
2. Incorporating stormwater protection measures into municipal activities;
3. Focusing activities on target pollution reduction (e.g. Section 303.d. water and protecting the Town's water supply);
4. Providing Program administration;
5. The Middleborough Conservation Commission Office spearheaded a Pratt Farm Clean-Up day on May 6, 2017;
6. Free tree seedlings were given to residents on April 28, 2017. Plantings were encouraged near roadways;
7. Active involvement in the Plymouth-Carver aquifer committee;
8. The Town is committed to working with local watershed associations, in particular the Taunton River Watershed Alliance;
9. The Town continued its drainage mapping gap analysis. This analysis identified missing drainage infrastructure information from the town's existing drainage mapping database. The identified gaps were used to guide field checks, and improve online mapping of the Town's resources, and expanded the Town's geodatabase of stormwater-related assets and related information;
10. Sections of storm drains are routinely inspected for water quality issues. As needed these drain lines are cleaned by the DPW;
11. The Town of Middleborough is a member of the South Shore Recycling Cooperative. Our 2017 Household Hazardous Waste (HHW) collection program ran from April through October. Last year, we collected several tons of HHW and Universal waste material that may otherwise find its way into the trash or the storm drain system.
12. Flood mitigation efforts at Woloski Park;

The Town is committed to working with local watershed associations and local businesses to advance their goals and objectives. Another high priority of staff will be to keep abreast of the latest technology and approaches to achieve stormwater management. Program activities will also strive to encourage environmental stewardship and build on partnerships with other agencies, neighboring towns, and the community for active participation in accomplishing the Program mission.

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 15	Planned Activities – Permit Year 16
1.a.	Distribute/post non-point source pollution poster	Town Manager	Post in public spaces	HHHW day notices posted. Pet waste public notices posted on trails and adjacent to surface water bodies.	Repost stormwater education posters in schools/town offices
1.b.	Air stormwater message on local cable access channel	Town Manager	Post one message every month	Local cable access broadcasts periodic meetings of the Plymouth-Carver aquifer committee. These broadcasts discuss stormwater management and promote pollution prevention	Continue to air stormwater messages on local cable access channel and add the messaging to the Town's website
1C	Household hazardous and medical waste collection days	DPW/Health Department	Publish brochure with Recycling and Disposal Guidelines describing hazardous and medical household waste products. In addition, host medical and hazardous waste drop days.	The Town conducted a collection on November 18, 2017 at the DPW Recycling Facility and Town Hall.	DPW plans to continue this program.
1.c.	Obtain and distribute auto repair shop brochures	Highway Department	Distribution to all impacted local businesses	This was completed in past permit years	The Highway Department plans to continue this program.
1.d.	Include stormwater information on Town's website	Town Manager	Update information as plan revisions are made	Maintain link to the Wastewater Treatment Plant Stormwater Pollution Prevention Plan	The Town plans to continue to make this information publicly available

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 15 (Reliance on non-municipal partners indicated, if any)	Planned Activities
2.a.	Expand Citizen's Advisory Committee	Town Manager	Hold quarterly meetings	Town was unable to maintain involvement and activity in this committee.	Town plans to develop and pursue other public participation efforts. This effort will be coordinated with the General Permit reissuance to ensure that it meets any new requirements.
2.b.	Collect and recycle waste oil from residents	Highway Department	Collect waste oil at least once per month from residents	Completed. Waste oil collection and recycling offered at landfill. Participation in the South Shore Recycling Cooperative, where 14 local communities open up their local HHHW collection days to members of the cooperative. Helped sponsor 6 HHW collections as part of the South Shore Recycling Coop.	Continue waste oil collection program. Continue participation in South Shore Recycling Cooperative.
2.c.	Collect paint from residents	Highway Department	Collect paint from residents on at least a quarterly basis	Completed. Paint collection offered at landfill.	Continue paint collection program.
2.d.	Implementation of Catch Basin Stenciling Program	Highway Department	Stencil 25% of catch basins each year	The Town catch basin stenciling program is ongoing.	Continue stenciling program (target is 25%)

Additional Activities:

April through October of 2017, all-volunteer Middleborough Mess Movers conducted monthly cleanups in various parts of town. Quarterly meetings to discuss environmental issues surrounding Assawompset Pond.

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 15 (Reliance on non-municipal partners indicated, if any)	Planned Activities
3.a.	Map outfalls and receiving waters	Highway Department	Map 25% of the outfalls that drain urbanized areas each year.	Town-wide inventory of catch basins/drainage manholes/outfalls is ongoing and the Town continues to refine and revise its map.	Town is continuing to collect connectivity data on the remaining streets within the urbanized area as required by the draft EPA permit.
3.a.	Drainage System Mapping	DPW	Continue drainage system mapping	The drainage system map for the Town includes 1,066 catch basins, 42 outfalls, and 236 stormwater manholes, as well as other structures, where known. As infrastructure projects and drainage system inspections are completed, the map is updated.	The Town will continue to collect data and develop the drainage system map.
3.b.	Develop/Modify General Illicit Discharge Bylaw	Planning Department	Determine if existing bylaws and regulations fulfill EPA requirements	As a result of 2011-2012 review, a new draft bylaw was drafted during Permit Year 10. It was reviewed by the Board of Selectmen and approved during Permit Year 11.	BMP Completed. Measurable goals for 2003 General Permit have been met.
3.c.	Develop Illicit Discharge Detection & Elimination Plan	DPW	Make recommendations for inclusion into proposed plan.	Completed IDDE Plan to comply with the draft 2010 EPA Stormwater permit to include ranking of catchment areas.	BMP Completed. Measurable goals for 2003 General Permit have been met.

4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 15 (Reliance on non-municipal partners indicated, if any)	Planned Activities
4.a.	Review existing site inspection practices	Planning Department	Determine if existing practices fulfill EPA requirements	Completed. Existing site inspection practices reviewed.	Re-examine existing site inspection practices per the finalized EPA General Permit.
4.b.	Develop/modify site inspection program	Planning Department	Make recommendations for modifying existing program	Completed. No modification required.	Re-examine existing site inspection program per the finalized EPA General Permit.
4.c.	Review existing bylaws and regulations	Planning Department	Determine if existing bylaws and regulations fulfill EPA requirements	As a result of 2011-2012 review, a new draft bylaw was drafted during Permit Year 10. This bylaw was passed in Permit Year 11.	BMP Completed. Measurable goals for 2003 General Permit have been met.
4.d.	Develop/modify bylaw for construction site runoff	Planning Department	Propose recommendations for modifying/developing bylaw	See 4.c.	See 4.c.
4.e.	Present Bylaw for Town Meeting Action	Board of Selectmen	Propose recommendations for modifying/developing bylaw	This bylaw was passed in Year 11.	BMP Completed. Measurable goals for 2003 General Permit have been met.
4.f.	Develop erosion and sedimentation control measures	DPW	Continue to assess effectiveness and potential to include in next permit phase	DPW continues to monitor and respond to erosion and sedimentation issues	Assess control and effectiveness of existing regulations. Respond to erosion and sediment control issues.
4.g.	Public Information	DPW	Document & Investigate complaints	DPW maintains daily log and enters all complaints received. Complaints are investigated	Continue to maintain log and investigate complaints.

Additional Activities:

During 2017-2018, the Conservation Commission held 110 hearings and conducted 150 inspections. The Planning Board held 36 meetings and conducted 90 inspections to review proposed construction projects throughout the Town. The Conservation Agent as well as the Construction Administrator for the Planning Department conduct frequent site visits to construction projects in order to ensure proper stormwater controls are being implemented (per issued Permits/ Order of Conditions).

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 15 (Reliance on non-municipal partners indicated, if any)	Planned Activities
5.a.	Review existing site inspection practices	Planning Department	Determine if existing practices fulfill EPA requirements	Completed. Existing site inspection practices reviewed.	Re-examine existing site inspection practices per the finalized General Permit.
5.b.	Develop/modify inspection and maintenance practices	Planning Department	Make recommendations for modifying existing practices	Completed. No modifications required.	Re-examine existing site inspection practices per the finalized General Permit.
5.c.	Review existing bylaws and regulations	Planning Department	Determine if existing bylaws and regulations fulfill EPA requirements.	As a result of 2011-2012 review, a new draft bylaw was drafted during Permit Year 10. This bylaw was passed in Year 11.	BMP Completed. Measurable goals for 2003 General Permit have been met.
5.d.	Develop/modify bylaws for post-construction site runoff	Planning Department	Propose recommendations for modifying/developing bylaw	See 5.c.	See 5.c.
5.e.	Present Bylaw for Town Meeting Action	Planning Department	Propose recommendations for modifying/developing bylaw	Delayed until BMP 5.d is completed.	Introduce bylaw modifications once finalized by the Planning Department.

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 15 (Reliance on non-municipal partners indicated, if any)	Planned Activities
6.a.	Street Sweeping Program	Highway Department	Sweep all streets at a minimum twice per year	Annual street sweeping performed by DPW. This included 21 days of sweeping within the urbanized area of Middleborough.	Continue annual street sweeping.
6.b.	Catch basin cleaning program	Highway Department	Check catch basins quarterly and clean up to twice per year	Completed. Annual catch basin inspection and cleaning performed by DPW. This included 1979 catch basins in Permit Year 15.	Continue annual catch basin cleaning
6.c.	Perform site visits to examine existing practices at facilities	Highway Department	Target all applicable municipal facilities	Inspection was conducted at the Town Highway Garage in Year 11. This resulted in the generation and adoption of a Stormwater Pollution Prevention Plan (SWPPP) for the facility.	Continue implementing recommendations in the SWPPP.
6.d.	Employee training	Highway Department	Continue with current program	Town staff continues to be aware of proper maintenance procedures for parks and open space, Town-owned vehicles and equipment, buildings, street sweeping, and drainage system. Town staff are made aware of proper practices to prevent pollution in stormwater due to municipal operations. DPW staff attended conferences such as those sponsored by PCHA, MMA, and others, where technical seminars regarding stormwater are presented.	Continue current practices and look for training opportunities.
6.e.	Perform follow-ups to ensure required practices are met	Highway Department	Target all applicable municipal facilities	Corrective action at other municipal facilities previously audited.	Continue corrective actions at other municipal facilities previously audited.

Part IV: Summary of Information Collected and Analyzed

No additional information has been collected or analyzed outside of what was listed in Part III above.



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MA-SDO Certified D/WBE, D/MBE
NH-Certified DBE
SBA Certified EDWOSB
MassDOT Certified | DCAMM Certified

April 27, 2018

Glenda Velez – CIP
U.S. Environmental Protection Agency – Region 1
5 Post Office Square – OEP06-01
Boston, MA 02109-3912

RE: NPDES Phase II Permit Year 15 – Annual Report 2017 - 2018
Permit No. MA 041134 / MassDEP Transmittal Number X278226

Dear Ms. Velez:

On behalf of the Town of Middleborough, MA, Green Seal Environmental (GSE) is pleased to submit the enclosed NPDES Small MS4 General Permit Annual Report the Environmental Protection Agency (EPA) Region 1, with a copy to the Massachusetts Department of Environmental Protection.

During the 2017/2018 Permit Year, the Town of Middleborough continue to work on outfall inspections, and made strides in investigations, mapping, and development of a geodatabase of the Town's drainage system. Opportunities for additional improvements have been identified and will be addressed as staff and funding are available.

The Town of Middleborough continues to educate municipal employees and citizens relative to stormwater issues, specifically with opportunities for municipal employee training and efforts to make relevant information available to the public. The Town is please with the continuation of the 2003 Permit Stormwater Management Practices and looks forward to continued progress in subsequent permits. Please feel free to contact me at 508-888-6034 or the Town of Middleborough Department of Public Works at 508-946-2482 if you have any questions regarding this submittal.

Sincerely,
GREEN SEAL ENVIRONMENTAL, INC.

Melissa Rosenblatt
Project Engineer

Cc: Fred Civian, Massachusetts Department of Environmental Protection
Christopher Peck, Town of Middleborough Director of Public Works



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