

4/13/17

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Municipality/Organization: Town of Essex

EPA NPDES Permit Number: MA041239

MaDEP Transmittal Number: W-035216

Annual Report Number & Reporting Period: No. 14: April 16 - April 17

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: Paul Goodwin **Title:** Superintendent

Telephone #: (978)-768-6262 **Email:** pgoodwin@essexma.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: 

Printed Name: Paul Goodwin

Title: Superintendent

Date: April 11, 2017

Part II. Self-Assessment

The Town of Essex continues our good housekeeping practices for all municipal operations. Before July 1 our sand/oil separator at our highway garage will be pumped out. Annually we have all public sidewalks and roadways swept. We also have all our catch basins cleaned by an outside contractor.

We plan to continue having Greenscapes North Shore Coalition provide educational brochures, classroom education plus public outreach. Essex has begun infiltration/inflow (I/I) monitoring and will continue in the future. Resolution of I/I issues will be handled as funds allow. The town plans to continue our work with engineer to provide services for stormwater compliance.

The Town of Essex, by working with outside vendors, engineers and “in house” training and operations will try to keep up with ever increasing and unfunded mandates and regulations. Like many small communities, staffing and funding resources make this difficult.

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 14 (Reliance on non-municipal partners indicated, if any)	Planned Activities –
SX1 Revised	Hazardous Waste Day	DPW Paul Goodwin	See Attachment 1	HHWD was held on May 21, 2016 and run by Clean Harbors and DPW personnel.	HHWD is scheduled for June 24, 2017.
SX2 Revised	Water Conservation	Water Dept. Paul Goodwin	See Attachment 1	Mandatory water ban implemented in summer of 2016 due to dry conditions	Update website as needed for water conservation tips.
SX3 Revised	Lawn & Garden	Wastewater	See Attachment 1	For the fourth year, town provided saplings on April 23, 2016 to celebrate Earth Day.	Offer saplings again on April 22, 2017. Also offering brush drop off for residents.
SX4 Revised	Classroom Education	Wastewater Paul Goodwin	See Attachment 1	Greenscapes North Shore Coalition worked with the 5 th grade with their “Keeping water clean program”	Greenscapes North Shore Coalition educational brochures and classroom education.
Revised					
Revised					

1a. Additions

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 14 (Reliance on non-municipal partners indicated, if any)	Planned Activities –
SX5	Drain Stencils	Wastewater Paul Goodwin	See Attachment 1	DPW stenciled catch basins in town as time allowed.	Continue stencil work as man power and time allows.
Revised					
SX6	Elementary School Projects	Wastewater Paul Goodwin	See Attachment 1	Greenscapes Northshore Coalition Services held a “keeping water clean program” with local 5 th grade.	Look to continue with Greenscapes.
Revised					
SX7	Hazardous Waste Day	DPW Paul Goodwin	See Attachment 1	Annual House Hold Hazardous Waste day and mercury shed in place at Transfer Station.	Continue with current practices.
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 14 (Reliance on non-municipal partners indicated, if any)	Planned Activities –
SX8 Revised	Identify Failing Septic Systems	Board of Health Erin Kirchner	See Attachment 1	All occupied mandatory/failed systems with in the sewer service area, are connected to the Town Sewer System.	Continue to identify and work together with the local Board of Health agent.
SX9 Revised	Drain Connection Permit	DPW Paul Goodwin	See Attachment 1	Local MS-4 by-law in place.	Continue to identify and require permits as needed.
SX10 Revised	Stormwater Sampling	Wastewater Paul Goodwin	See Attachment 1	Satisfied DEP requirement for Storm Water sampling.	New regulations may require future sampling.
SX11 Revised	Outfall Inspections	Wastewater Paul Goodwin	See Attachment 1	Inspected annually and cleaned/maintained as needed by Public works employees.	Maintain current inspection process.
SX24 Revised	Illicit Discharge Enforcement	Wastewater Paul Goodwin	See Attachment 2	IDDE plan complete utilizing town staff and outside engineers.	Updated IDDE plan as needed.
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 14 (Reliance on non-municipal partners indicated, if any)	Planned Activities –
SX12 Revised	Inspection and Maintenance	Conservation Commission	See Attachment 1	Construction plan review by various Town Boards. Site plan review by law.	Continue with current practices.
SX13 Revised	Construction Entrances	DPW Paul Goodwin	See Attachment 1	Address construction site maintenance, as needed. Have contractor clean street if needed.	Keep local contractors informed about accountability of site maintenance.
SX14 Revised	Silt Fence	Conservation Commission	See Attachment 1	Con Com inspects and requires upkeep/maintenance and proper silt fence installation.	Continue with current practices.
SX25 Revised	Enforcement	Conservation Commission Planning Board	See Attachment 2	Work with local town departments.	Continue with current practice.
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 14 (Reliance on non-municipal partners indicated, if any)	Planned Activities –
SX15	Alternative Pavers	Planning Board	See Attachment 1	Planning board has made this a suggestion.	Continue with current practices.
Revised					
SX16	Catch Basins	DPW Paul Goodwin	See Attachment 1	Planning Board sends the DPW plans of proposed drainage work for new developments, for our input.	Continue with current practices.
Revised					
SX17	Street Curbing	Planning Board	See Attachment 1	Repaired curbing from plow damage on Landing Road and other streets.	Repair/replace curbing as needed.
Revised					
SX26	Enforcement	Conservation Commission Planning Board	See Attachment 2	Work with town departments on new development.	Continue current practice.
Revised					
Revised					
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 14 (Reliance on non-municipal partners indicated, if any)	Planned Activities –
SX18	Truck Wash Bay	DPW Paul Goodwin	See Attachment 1	Gas/sand trap in place for floor drains. Pumped as needed.	Maintain good housekeeping practices. Scheduled to be pumped in May 2017.
Revised					
SX19	Street Cleaning	DPW Paul Goodwin	See Attachment 1	Annual sweeping of all streets and sidewalks.	Continue current practices.
Revised					
SX20	Catch Basin Cleaning	DPW Paul Goodwin	See Attachment 1	Have all town catch basins cleaned annually.	Continue current practices
Revised					
SX21	Drain Repair / Replacement	DPW Paul Goodwin	See Attachment 1	Made small repairs as suggested by previous year’s inspection reports on bridges. Also repaired catch basins as needed	Continue annual cleaning and repairs.
Revised					
SX22	Salt Storage	DPW Paul Goodwin	See Attachment 1	Maintain good housekeeping practices.	Maintain good housekeeping practices.
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 14 (Reliance on non-municipal partners indicated, if any)	Planned Activities –
SX23	Public Sewer System	Wastewater Paul Goodwin	See Attachment 1	New Sewer collection system finished September 2006. Began I/I work on system.	Per more new regulations working with engineer on I/I in system.
Revised					
SX27	Outfall Map	Wastewater Paul Goodwin	See Attachment 2	GIS mapping of most of drainage systems catch basins.	Modernize current drain map.
Revised					

7a. Additions

7b. WLA Assessment