MAR04123 9AH

Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Watershed Management

W 035216
Transmittal Number

BRP WM 08A NPDES Stormwater General Permit

Notice of Intent for Discharges from Small Municipal Separate Storm Sewer Systems (MS4s)

Facility ID (if known)

A. Instructions

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.

Submission of this Notice of Intent constitutes notice that the entity named at item B1. of this form intends to be authorized by the DEP General Permit issued jointly with EPA for stormwater discharges from the small municipal separate storm sewer system (MS4), in the location identified at item B2. of this form. Submission of the Notice of Intent also constitutes notice that the party identified at item B1. has read, understands and meets the eligibility conditions of Part I.B. of the NPDES Small MS4 General Permit, agrees to comply with all applicable terms and conditions of the NPDES Small MS4 General Permit, and understands that continued authorization to discharge is contingent on maintaining eligibility for coverage. **In order to be granted coverage, all information required on BRP WM 08A, including the Stormwater Management Program Summary and Time Frames form, must be completed. Please read the permit and make sure you comply with all requirements, including the requirement to develop and implement a stormwater management program.**

B. Applicant Information

1. Small MS4 Operator/Owner Information:

   Erik G Mansfield - WW Technician
   Name

   44 Centennial Grove Road
   Mailing Address

   Essex — City/Town
   MA 01929 — State

   (978)-768-6262 — Telephone Number
   emansfield@essexma.org — Email (if available)

2. Municipality Name

   Town of Essex
   City/Town

3. Legal Status:

   ☐ Federal ☒ City/Town ☐ State ☐ Tribal ☐ Private

   ☐ Other public entity: _____ Specify Public Entity

4. Other regulated MS4(s) within municipal boundaries:

   Commonwealth of Massachusetts / Route 133

5. Based on the instructions provided in Part I of the NPDES Small MS4 General Permit, have the eligibility criteria for "listed species" and critical habitat been met?

   ☐ yes ☒ pending ☐ no

Received
5-16-03

B. Applicant Information (cont.)

6. Based on the instructions provided in Part I of the NPDES Small MS4 General Permit, have the eligibility criteria for protection of historic properties been met?

☒ yes ☐ pending ☐ no

Note: Section C may be duplicated to accommodate a larger list of receiving waters

C. Names of (Presently Known) Receiving Waters

Receiving Water:	No. of Outfalls	Listed as Impaired?	Impairment
Alewife Brook (Name)	7 (Number)	☐ Yes ☒ No	(Specify)
Ebben Creek (Name)	3 (Number)	☐ Yes ☒ No	(Specify)
Essex Bay (Name)	1 (Number)	☒ Yes ☐ No	Pathogens (Specify)
Essex River (Name)	19 (Number)	☒ Yes ☐ No	Pathogens (Specify)
Gay Brook (Name)	2 (Number)	☐ Yes ☒ No	(Specify)
Chebacco Lake (Name)	1 (Number)	☐ Yes ☒ No	(Specify)
(Name)	(Number)	☐ Yes ☐ No	(Specify)
(Name)	(Number)	☐ Yes ☐ No	(Specify)
(Name)	(Number)	☐ Yes ☐ No	(Specify)
(Name)	(Number)	☐ Yes ☐ No	(Specify)
(Name)	(Number)	☐ Yes ☐ No	(Specify)
(Name)	(Number)	☐ Yes ☐ No	(Specify)
(Name)	(Number)	☐ Yes ☐ No	(Specify)
(Name)	(Number)	☐ Yes ☐ No	(Specify)
(Name)	(Number)	☐ Yes ☐ No	(Specify)
(Name)	(Number)	☐ Yes ☐ No	(Specify)
(Name)	(Number)	☐ Yes ☐ No	(Specify)
(Name)	(Number)	☐ Yes ☐ No	(Specify)

D. Stormwater Management Program Summary

1. Public Education:

BMP ID #	Specify Best Management Practice	Responsible Dept./Person Name	Specify Measurable Goal
SX1	Hazardous Waste Day	DPW / Paul Goodwin	See Attachment 1
SX2	Water Conservation	Water / Paul Goodwin	See Attachment 1
SX3	Lawn & Garden	Wastewater / Erik Mansfield	See Attachment 1
SX4	Classroom Education	Wastewater / Erik Mansfield	See Attachment 1

2. Public Participation:

BMP ID #	Specify Best Management Practice	Responsible Dept./Person Name	Specify Measurable Goal
SX5	Drain Stencils	Wastewater / Erik Mansfield	See Attachment 1
SX6	Elementary School Projects	Wastewater / Erik Mansfield	See Attachment 1
SX7	Hazardous Waste Day	DPW / Paul Goodwin	See Attachment 1

D. Stormwater Management Program Summary (Cont.)

3. Illicit Discharge Detection and Elimination:

BMP ID #	Specify Best Management Practice	Responsible Dept./Person Name	Specify Measurable Goal
SX8	Identify Failing Septic Systems	Board of Health/ElaineWozney	See Attachment 1
SX9	Drain Connection Permit	Wastewater / Erik Mansfield	See Attachment 1
SX10	Stormwater Sampling	Wastewater / Erik Mansfield	See Attachment 1
SX11	Outfall Inspections	Wastewater / Erik Mansfield	See Attachment 1

4. Construction Site Runoff Control:

BMP ID #	Specify Best Management Practice	Responsible Dept./Person Name	Specify Measurable Goal
SX12	Inspection and Maintenance	Conservation Commision	See Attachment 1
SX13	Construction Entrances	DPW / Paul Goodwin	See Attachment 1
SX14	Silt Fence	Conservation Commision	See Attachment 1

D. Stormwater Management Program Summary (Cont.)

5. Post Construction Runoff Control:

BMP ID #	Specify Best Management Practice	Responsible Dept./Person Name	Specify Measurable Goal
SX15	Alternative Pavers	Planning Board	See Attachment 1
SX16	Catch Basins	Wastewater / Erik Mansfield	See Attachment 1
SX17	Street Curbing	Planning Board	See Attachment 1

6. Municipal Good Housekeeping:

BMP ID #	Specify Best Management Practice	Responsible Dept./Person Name	Specify Measurable Goal
SX18	Truck Wash Bay	DPW / Paul Goodwin	See Attachment 1
SX19	Street Cleaning	DPW / Paul Goodwin	See Attachment 1
SX20	Catch Basin Cleaning	DPW / Paul Goodwin	See Attachment 1
SX21	Drain Repair / Replacement	DPW / Paul Goodwin	See Attachment 1
SX22	Salt Storage	DPW / Paul Goodwin	See Attachment 1

D. Stormwater Management Program Summary (cont.)

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D. Stormwater Management Program Summary (cont.)

7. BMPs for Meeting TMDL:

BMP ID #	Specify Best Management Practice	Responsible Dept./Person Name	Specify Measurable Goal
SX23	Public Sewer Sytem	Wastewater / Erik Mansfield	See Attachment 1

E. 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, I certify that 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.

David L. Folsom
Printed Name

David L. Folsom
Signature

5/9/2003
Date

ATTACHMENT 1

MEASURABLE GOALS

SX1 – Distribute flyers with information about what hazardous waste day is about and what it hopes to accomplish. Post banners around town to inform the public of dates and locations.
SX2 – Send out flyers with water bills informing the public of the benefits of water conservation.
SX3 – Distribute flyers to home owners and business owners on the effects of fertilizers and chemical lawn and garden products.
SX4 – Work with Elementary School to develop a classroom education program.
SX5 – Work with local girl and boy scouts on a drain stenciling program.
SX6 – Work with the Elementary School with poster drawing and getting the children out into Town to see where the drains start and where they end.
SX7 – Add more programs to the current hazardous waste day to increase amounts of materials.
SX8 – Work with Board of Health to make sure we are made aware of all failing septic systems.
SX9 – Continue to issue permits for all connections to the Towns storm drain systems.
SX10 – Continue with the current storm water sampling program implemented in 1996.
SX11 – Periodic inspections of outfalls to determine if street sweeping and catch basin cleaning is adequate.
SX12 – Work with Conservation Commission to ensure construction site inspections are being performed and that the contractors are maintaining all barriers.
SX13 – Visually inspect construction site entrances and exits to ensure streets are clean.
SX14 – Work with Conservation Commission to ensure correct and proper placement of silt fences.
SX15 – Work with the Planning Board to look at alternative pavers as an option for developments.
SX16 – Visually inspect catch basins on private roads and work with homeowners to develop a plan that addresses cleaning and maintenance.
SX17 – Work with Planning Board to reduce the amount of street curbing used in new developments.
SX18 – Build a truck wash bay for cleaning Town vehicles. The Town has already appropriated the funds for this project.
SX19 – Look at current street sweeping schedule and determine if it is adequate.
SX20 – Look at current cleaning schedule and inspect basins in between cleanings to determine if it is adequate.
SX21 – Repair broken drain lines and catch basins that may have collapsed.
SX22 – Build a new salt storage facility. The Town has already appropriated the funds for this project.
SX23 – Install a public sewer system. The Town of Essex is currently in the process of installing a public sewer system.

Massachusetts Department of Environmental Protection
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F. Storm Water Management Program TIME FRAMES

Transmittal Number W W 035216

Facility ID (if known)

	PERMIT YEAR ONE				PERMIT YEAR TWO				PERMIT YEAR THREE				PERMIT YEAR FOUR				PERMIT YEAR FIVE			
BMP ID #	Spring 03	Summer 03	Fall 03	Winter 03-04	Spring 04	Summer 04	Fall 04	Winter 04-05	Spring 05	Summer 05	Fall 05	Winter 05-06	Spring 06	Summer 06	Fall 06	Winter 06-07	Spring 07	Summer 07	Fall 07	Winter 07-08
SX1		X				X				X				X				X		
SX2	X				X				X				X				X			
SX3	X				X				X				X				X			
SX4	X		X		X		X		X		X		X		X		X		X	
SX5		X				X				X				X				X		
SX6			X				X				X				X				X	
SX7			X				X				X				X				X	
SX8																				
SX9																				
SX10																				
SX11	X		X		X		X		X		X		X		X		X		X	
SX12																				
SX13																				
SX14																				
SX15																				
SX16									X				X				X			
SX17																				
SX18																				
SX19	X				X				X				X				X			
SX20	X				X				X				X				X			
SX21		X	X			X	X			X	X			X	X			X	X	
SX22																				
SX23																				

Hand-enter Your Transmittal Number → **W 035216**

Your unique Transmittal Number can be accessed through DEP's web site or by calling the DEP InfoLine as listed on the last page of this document

Massachusetts Department of Environmental Protection

Transmittal Form for Permit Application and Payment

Instructions

1. Please type or print. A separate Transmittal Form must be completed for each permit application.

2. Your check should be made payable to the Commonwealth of Massachusetts. Please mail your check along with a copy of this form to: DEP, P.O. Box 4062, Boston, MA 02211.

3. Three (3) copies of this form will be needed.

Copy 1 (the original) must accompany your permit application. **Copy 2** must accompany your fee payment. **Copy 3** should be retained for your records

4. Both fee-paying and exempt applicants must mail a copy of this transmittal form to DEP, P.O. Box 4062, Boston, MA 02211

For DEP Use Only
Permit No._____
Rec'd Date_____
Reviewer_____

A. Application Information

DEP Permit Code (the 7 or 8 character code from first page of permit application instructions): BRPWM08A
Name of Permit Category: NPDES
Type of Project or Activity: STORMWATER PHASE II

B. Applicant Information (Firm or Individual)

Name of Firm: TOWN OF ESSEX

Or, if party needing this approval is clearly an individual:

Individual's Last Name:	First Name	MI

Street Address 44 CENTENNIAL GROVE ROAD			
City/Town ESSEX	State MA	Zip Code 01929	Telephone Number (978) 768-6262 ext.
Contact: ERIK G MANSFIELD		e-mail address (optional) emansfield@essexma.org	

C. Facility, Site or Individual Requiring Approval

Name of Facility, Site or Individual		DEP Facility Number (if Known)	
Street Address		e-mail address: (optional)	
City/Town	State	Zip Code	Telephone Number ( ) ext.

D. Application Prepared by (if different from Section B)

Name of Individual or Firm:			
Address			
City/Town	State	Zip Code	Telephone Number ( ) ext.
Contact:		LSP Number (21E only)	

E. Permit - Project Coordination

Is this project subject to MEPA review? ☐ yes ☐ no

If yes, indicate the project's EOEA file number (assigned when an Environmental Notification Form is submitted to the MEPA unit)

EOEA # Is an Environmental Impact Report Required? ☐ yes ☐ no

Is this application part of a larger project for which two or more DEP permits are being or will be sought? ☐ yes ☒ no

List any other DEP permits that apply to this project:

Permit Category	Date of Submission (tentative or actual)	Transmittal Number (if application already submitted)

F. Amount Due

Special Provisions:
☒ Fee Exempt* (city, town or municipal housing authority)(state agency if fee is $100 or less)
☐ Hardship Request [payment extensions according to 310 CMR 4.04(3)(c)]
☐ Alternative Schedule Project (according to 310 CMR 4.05 and 4.10)

*There are no fee exemptions for 21E, regardless of applicant status

Check #:	Dollar Amount:	Date:

Please make check payable to the Commonwealth of Massachusetts and mail check and one copy of this form to DEP, P.O. Box 4062, Boston, MA 02211

Index by State and City

National Register Information System 02/27/2003 14:49:56

No filter

Include filter in navigation

Row	STATE	COUNTY	RESOURCE NAME	ADDRESS	CITY	LISTED	MULTIPLE
1	MA	Essex	**Burnham, David, House**	Pond St.	Essex	1983-07-30	
2	MA	Essex	**Cogswell's Grant**	60 Spring St.	Essex	1990-04-19	
3	MA	Essex	**Giddings, George, House and Barn**	66 Choate St.	Essex	1990-03-09	First Period Buildings of Eastern Massachusetts TR
4	MA	Essex	**Titcomb, Benaiah, House**	189 John Wise Ave.	Essex	1990-03-09	First Period Buildings of Eastern Massachusetts TR

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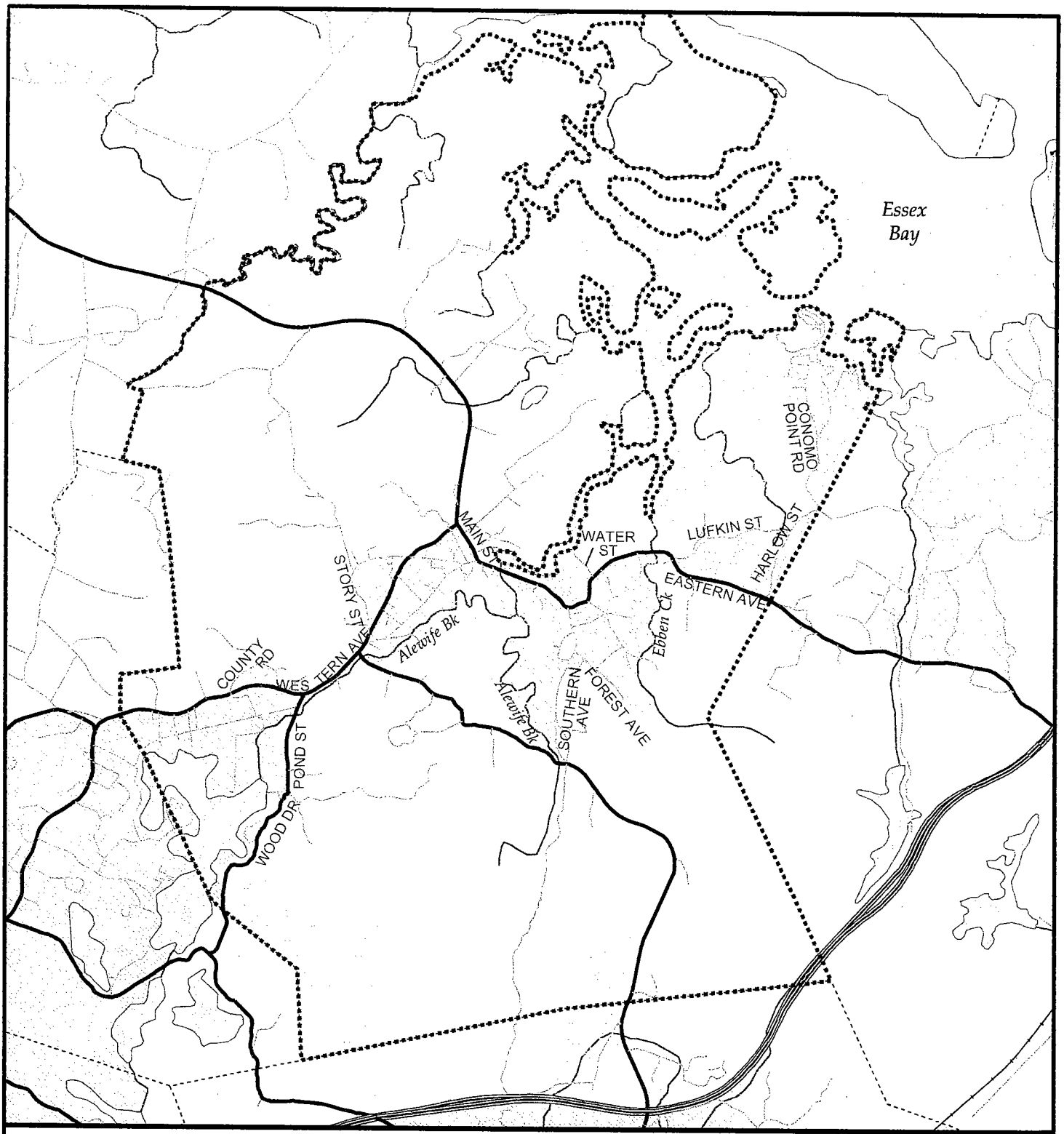
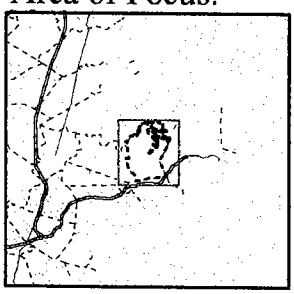
Massachusetts Category 5 Waters
"Waters requiring a TMDL"

*-non Pollutant

NAME	SEGMENT ID	DESCRIPTION	SIZE	ASSESSMENT DATE	POLLUTANT NEEDING TMDL [EPA APPROVAL DATE/DOCUMENT CONTROL NUMBER]
Beverly Harbor (93905)	MA93-20_2002		0.78 sq mi	Feb-99	-Pathogens
Cat Brook (9355050)	MA93-29_2002	Headwaters north of Route 128 Manchester/Essex/Gloucester to confluence Manchester Harbor, Manchester. Miles 2.5-0.0	2.5 miles	Feb-99	-pH -Siltation -Pathogens
Crane Brook (9355325)	MA93-02_2002	Headwaters west of Newburyport Turnpike (Route 95) to inlet Mill Pond, Danvers.	2.3 miles	Apr-99	-Unionized Ammonia -Organic enrichment/Low DO -(Other habitat alterations*) -Pathogens -Suspended solids -Turbidity
Crane River (9355275)	MA93-38_2002	Outlet Mill Pond, Danvers to outlet of pump house sluiceway at Purchase Street, Danvers.	0.3 miles	Apr-99	-Pathogens -Turbidity
Crane River (9355275)	MA93-41_2002	Outlet pump house sluiceway at Purchase Street, Danvers to confluence Danvers River, Danvers.	0.08 sq mi	Apr-99	-Pathogens
Danvers River (9355200)	MA93-09_2002	Confluence with Porter, Crane and Waters rivers,Danvers to mouth at Beverly Harbor, Beverly/Salem.	0.5 sq mi	Apr-99	-Pathogens
Essex Bay (93901)	MA93-16_2002		1.15 sq mi	Jan-99	-Pathogens
Essex River (9354625)	MA93-11_2002	Source east of Southern Avenue to mouth at Essex Bay, Essex.	0.9 sq mi	Jan-99	-Pathogens
Forest River (9355500)	MA93-10_2002	Approximately 1/2 mile upstream of Loring Avenue, Salem to mouth at Salem Harbor, Salem/Marblehead.	0.05 sq mi	Mar-99	-Organic enrichment/Low DO -(Flow alteration*) -(Other habitat alterations*) -Pathogens
Frost Fish Brook (9355250)	MA93-36_2002	Headwaters, southeast of Danvers locality of Putnamville to confluence Porter River just south of Route 62, Danvers. Miles 1.3-0.0	1.3 miles	Jun-97	-Pathogens
Gloucester Harbor (93903)	MA93-18_2002		2.24 sq mi	Feb-99	-Pathogens



Area of Focus:



NPDES Phase II Stormwater Program Automatically Designated MS4 Areas

Essex, Massachusetts

Essex Town Boundary

Regulated Area (2000 Urbanized Area)

Town Population: 3,267
Regulated Population: 1,849

N W E S

EPA New England

0 0.4 0.8 1.2 Miles

Data Sources: Urbanized Areas from US Census Bureau (2000). Political boundaries from MassGIS. Hydrography from NHD. Transportation data from GDT at 1:24,000. Map Created: 10/4/02; US EPA- New England GIS Center L:/projects/stormwater/phase2/matowns/new/

3. Illicit Discharge Detection and Elimination:

BMP ID #	Specify Best Management Practice	Responsible Dept./Person Name	Specify Measurable Goal
SX8	Identify Failing Septic Systems	Board of Health/ElaineWozney	See Attachment 1
SX9	Drain Connection Permit	Wastewater / Erik Mansfield	See Attachment 1
SX10	Stormwater Sampling	Wastewater / Erik Mansfield	See Attachment 1
SX11	Outfall Inspections	Wastewater / Erik Mansfield	See Attachment 1
SX24	Illicit Discharge Enforcement	Wastewater / Erik Mansfield	See Attachment 2

4. Construction Site Runoff Control:

BMP ID #	Specify Best Management Practice	Responsible Dept./Person Name	Specify Measurable Goal
SX12	Inspection and Maintenance	Conservation Commision	See Attachment 1
SX13	Construction Entrances	DPW / Paul Goodwin	See Attachment 1
SX14	Silt Fence	Conservation Commision	See Attachment 1
SX25	Enforement	Consevation Commision	See Attachment 2

D. Stormwater Management Program Summary (Cont.)

5. Post Construction Runoff Control:

BMP ID #	Specify Best Management Practice	Responsible Dept./Person Name	Specify Measurable Goal
SX15	Alternative Pavers	Planning Board	See Attachment 1
SX16	Catch Basins	Wastewater / Erik Mansfield	See Attachment 1
SX17	Street Curbing	Planning Board	See Attachment 1
SX26	Enforcement	Consevation Commision	See Attachment 2

6. Municipal Good Housekeeping:

BMP ID #	Specify Best Management Practice	Responsible Dept./Person Name	Specify Measurable Goal
SX18	Truck Wash Bay	DPW / Paul Goodwin	See Attachment 1
SX19	Street Cleaning	DPW / Paul Goodwin	See Attachment 1
SX20	Catch Basin Cleaning	DPW / Paul Goodwin	See Attachment 1
SX21	Drain Repair / Replacement	DPW / Paul Goodwin	See Attachment 1
SX22	Salt Storage	DPW / Paul Goodwin	See Attachment 1

D. Stormwater Management Program Summary (cont.)

7. BMPs for Meeting TMDL:

BMP ID #	Specify Best Management Practice	Responsible Dept./Person Name	Specify Measurable Goal
SX23	Public Sewer System	Wastewater / Erik Mansfield	See Attachment 1
SX27	Outfall Map	Wastewater / Erik Mansfield	See Attachment 2

E. 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, I certify that 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.

Printed Name

Signature

Date

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F. Storm Water Management Program TIME FRAMES

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Page ____ of 1

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SX1		X				X				X				X				X		
SX2	X				X				X				X				X			
SX3	X				X				X				X				X			
SX4	X		X		X		X		X		X		X		X		X		X	
SX5		X				X				X				X				X		
SX6			X				X				X				X				X	
SX7			X				X				X				X				X	
SX8																				
SX9																				
SX10																				
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SX22																				
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SX24																				
SX25																				
SX26																				
SX27																				

ATTACHMENT 2

MEASURABLE GOALS

SX24 – Create a Town wide Bylaw allowing fines for illicit discharges to the storm drain system. Work with Conservation Commision and Board of Health to create and enforce Bylaw.

SX25 – Create a Town wide Bylaw allowing fines for construction site runoff violations. Work with Conservation Commision and Planning Board to create and enforce Bylaw outside of the wetlands protection area.

SX26 – Create a Town wide Bylaw allowing fines for post construction site runoff violations. Work with Conservation Commision and Planning Board to create and enforce Bylaw outside of the wetlands protection area.

SX27 – Maintain current outfall map and update when needed.