Municipality/Organization:	**Town of Dighton, Ma**
EPA NPDES Permit Number:	MAR041105
MassDEP Transmittal Number:	**W-X280446**
Annual Report Number & Reporting Period:	**Year 14 April 1, 2017 – March 31, 2018**

NPDES PII Small MS4 General Permit Annual Report (Due: May 1, 2018)

Part I. General Information

Contact Person: Todd Pilling Title: Board of Health Agent

Telephone #: (508) 659-4159 Email: tpilling@townofdighton.com

Mailing Address: 1111 Somerset Ave. Dighton, MA 02715

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: Nancy J. Goulart

Printed Name: Nancy Goulart

Title: Chairman Stormwater Committee

Date: 5/1/2018

Part II. Self-Assessment

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
1-1	Continue working with schools to get info out to public	Thomas J. Pires	Expansion of Program	Students from Bristol County Agricultural High school will continue to identify and map coordinates of outfalls in their area	Planning to expand educational materials in 2018 at Dighton-Rehoboth Regional High School
Revised					
1-2	Provide stormwater info in public area at Town Hall	Thomas J. Pires	Continue to have information on Stormwater available in Town Hall for the Public	Ongoing	Working with SRPEDD to Develop updated information for the public
Revised					
1-3	Work on methods of getting info out to the public re: stormwater	Thomas J. Pires	Continue to explore new sources to educate public on importance of Stormwater monitoring and control	Information remains available in public buildings within the town, Storm water addressed on local cable television and during Selectmen's Meeting	Continue to pursue new ways of getting information out to public, developing handouts
Revised					
				Printing tote bags, lid openers, brochures, and materials themed for adults and young children	Continue to participate in annual STEAM Expo
Revised 1-4	STEAM EXPO at D-R High School	Nancy Goulart	Program to educate all age levels re: stormwater management		
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
2-1	Research infiltration basins for stormwater disposal and management	Board of Health Planning Board	To conduct site visits semi- annually of existing above or below ground systems to ensure they are being maintained and functioning properly	The type of system to be installed for Stormwater control still rest with the Planning Board and Consulting Engineer. Stormwater reviews now also being conducted by the Board of Health.	Board of Health and Planning Board will continue to monitor systems. Will modify as situation or regulation change.
Revised					
Revised					
Revised					
Revised					
Revised					
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
3-1	Review existing outfall maps and update as needed	Highway Supt.		We collected all GPS Coordinates of Catch basin and outflows and have uploaded to our GIS Mapping	To collect GPS Coordinates of new structures and outflow and add them to our GIS Mapping
Revised					
3-2	Detect and eliminate discharges	Highway Supt.	Check for any new discharge sites	No new discharge sites identified by storm drain system cleaning by Highway Dept. employees	Continue to monitor
Revised					
3-3	Conduct illicit Discharge Education program	Highway Supt.	Review illicit discharge training with new employees	Covered as part of on the job training for new hires	Continue to train new employees
Revised					
3-4	Check on By- Law implementation	Thomas J. Pires	Monitor size of disturbed area that requires permit.	Size of area disturbed that requires a permit remains at 35,000 sq.ft.	Continue to monitor and adjust if necessary
Revised					
3-5	Check on implementation of stormwater regulations	Highway Superintendent and Building Commissioner	Investigated and resolved one complaint of storm water violations. Found not to be a violation.	Continue to investigate all complaints of potential violations and enforce by law if necessary	Frequency of violations has been reduced due to the awareness of Stormwater.
Revised					
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
4-1	Revise Site Plan, Review section of Zoning Bylaw	Planning Board	Explore and implement Storm Water Control	No revisions required	Task Completed and Ongoing Review
Revised					
4-2	Review procedures for receipt and consideration of information submitted by the public	Board of Health Planning Board Conservation Commission	Propose changes in By- Law regulation resulting from ongoing monitoring or input from residents	Change in land disturbance are approved by Boards and voters	Task Completed
Revised					
4-3	Revise Site Inspection and Enforcement Control Measures program	Board of Health Planning Board Conservation Commission	Investigation and site visit for all potential violations	No complaints	We continue to monitor all construction and land disturbance areas covered by the Bylaw
Revised					
Revised					
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
5-1	Review to see if need to modify Zoning By-law	Planning Board	Continue to monitor Storm water by-law conflicts with Zoning By-law or if Storm Water by- law caused any permitting difficulties.	No conflicts found that resulted in permitting difficulties during this reporting period	Ongoing
Revised					
5-2	Revise Subdivision Rules and Regulations	Planning Board	Review Subdivision Rules and Regulations to determine if revision is needed	Review complete for reporting period and no revision needed. No problems encountered or conflicts with existing subdivision rules and regulations and storm water by- law and regulations	Ongoing
Revised					
5-3.1	Ensure adequate Long term O&M of BMP'S	Highway Supt Thomas J. Pires	Annual Review process used to determine if O&M of BMPs are practical in application or if there need to be changes in conditions or processes during reporting period	Completed Review. No major problems detected.	Ongoing
Revised					
5-3.2	Ensure Adequate Long-term O&M BMP'S	Planning Board	Any proposed change or revisions in 5-3.1 above will be discussed with the Planning Board and any other appropriate Board or Commission	No action required during reporting period	Task Completed
Revised			Add Board of Health		

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
6-1	Educated Municipal Employees	Highway Superintendent	Update Employee training	Town has updated training program on stormwater management including methods for spotting problems, illicit discharges or suspicious storm drain discharges.	Ongoing
Revised					
6-2	Develop & Implement plan to prevent and reduce pollutant runoff from municipal operations	Highway Superintendent	Continue work on Municipal Operations Stormwater Plan (MOSP) needed	Town continues to work toward development of MOSP. The Town continues to review and expand MOSP	Ongoing
Revised					
6-3	Catch Basin Cleaning	Highway Superintendent	Clean and inspect all catch basins annually	Will continue to conduct catch basin cleaning annually	Annual catch basin cleaning will continue
Revised					
6-4	Street Sweeping	Highway Superintendent	Continue to perform on all Town Roads bi-annually	We will continue to sweep all Town roads	Street Sweeping on Town Roads will continue bi-annually
Revised					
6-5	Deicing Products	Highway Superintendent	Eliminate the use of sand for deicing	Use of Molasses mixed with Salt. Some sand used for specific locations.	Continue the use of molasses with salt
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
Revised					
Revised					
Revised					
Revised					
Revised					
Revised					

7a. Additions

7b. WLA Assessment

Part IV. Summary of Information Collected and Analyzed

Part V. Program Outputs & Accomplishments (OPTIONAL)

(Since beginning of permit coverage unless specified otherwise by a **, which indicates response is for period covering April 1, 2017 through March 31, 2018)

Programmatic

	(Preferred Units)	Response
Stormwater management position created/staffed	(y/n)	y
Annual program budget/expenditures **	($)	$88,623.63
Total program expenditures since beginning of permit coverage	($)	$499,007
Funding mechanism(s) (General Fund, Enterprise, Utility, etc)		Stormwater budget

Education, Involvement, and Training

Estimated number of property owners reached by education program(s)	(# or %)	100%
Stormwater management committee established	(y/n)	y
Stream teams established or supported	(# or y/n)	n
Shoreline clean-up participation or quantity of shoreline miles cleaned **	(y/n or mi.)	n
Shoreline cleaned since beginning of permit coverage	(mi.)	n
Household Hazardous Waste Collection Days		
▪ days sponsored **	(#)	1
▪ community participation **	(# or %)	10%
▪ material collected **	(tons or gal)	11.3 tons
School curricula implemented	(y/n)	y

Legal/Regulatory

	In Place Prior to Phase II	Reviewing Existing Authorities	Drafted	Draft in Review	Adopted
Regulatory Mechanism Status (indicate with "**X**")					
▪ Illicit Discharge Detection & Elimination					x
▪ Erosion & Sediment Control					x
▪ Post-Development Stormwater Management					x
Accompanying Regulation Status (indicate with "**X**")					
▪ Illicit Discharge Detection & Elimination					x
▪ Erosion & Sediment Control					x
▪ Post-Development Stormwater Management					x

Mapping and Illicit Discharges

	(Preferred Units)	Response
Outfall mapping complete	(%)	100
Estimated or actual number of outfalls	(#)	37
System-Wide mapping complete (complete storm sewer infrastructure)	(%)	100
Mapping method(s)		
▪ Paper/Mylar	(%)	100
▪ CADD	(%)	0
▪ GIS	(%)	100
Outfalls inspected/screened **	(# or %)	100
Outfalls inspected/screened (Since beginning of permit coverage)	(# or %)	100
Illicit discharges identified **	(#)	0
Illicit discharges identified (Since beginning of permit coverage)	(#)	2
Illicit connections removed **	(#); and (est. gpd)	0
Illicit connections removed (Since beginning of permit coverage)	(#); and (est. gpd)	2
% of population on sewer	(%)	21
% of population on septic systems	(%)	79

Construction

	(Preferred Units)	Response
Number of construction starts (>1-acre) **	(#)	0
Estimated percentage of construction starts adequately regulated for erosion and sediment control **	(%)	100%
Site inspections completed **	(# or %)	100%
Tickets/Stop work orders issued **	(# or %)	0
Fines collected **	(# and $)	0
Complaints/concerns received from public **	(#)	0

Post-Development Stormwater Management

Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control	(%)	100
Site inspections (for proper BMP installation & operation) completed **	(# or %)	100%
BMP maintenance required through covenants, escrow, deed restrictions, etc.	(y/n)	y
Low-impact development (LID) practices permitted and encouraged	(y/n)	n

Operations and Maintenance

Average frequency of catch basin cleaning (non-commercial/non-arterial streets) **	(times/yr)	1
Average frequency of catch basin cleaning (commercial/arterial or other critical streets) **	(times/yr)	1
Qty of structures cleaned **	(#)	1000
Qty. of storm drain cleaned **	(%, LF or mi.)	100%
Qty. of screenings/debris removed from storm sewer infrastructure **	(lbs. or tons)	Est 400 tons
Disposal or use of screenings (landfill, POTW, compost, beneficial use, etc.) **	(location)	Landfill compost

Basin Cleaning Costs		
• Annual budget/expenditure (labor & equipment)**	($)	3,908
• Hourly or per basin contract rate **	($/hr or $ per basin)	N/A
• Disposal cost**	($)	0
Cleaning Equipment		
• Clam shell truck(s) owned/leased	(#)	1
• Vacuum truck(s) owned/leased	(#)	0
• Vacuum trucks specified in contracts -	(y/n)	N
• % Structures cleaned with clam shells **	(%)	100
• % Structures cleaned with vactor **	(%)	0

	(Preferred Units)	Response
Average frequency of street sweeping (non-commercial/non-arterial streets) **	(times/yr)	1
Average frequency of street sweeping (commercial/arterial or other critical streets) **	(times/yr)	1
Qty. of sand/debris collected by sweeping **	(lbs. or tons)	Est 300 tons
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.) **	(location)	Landfill, compost pipe bedding
Annual Sweeping Costs		
• Annual budget/expenditure (labor & equipment)**	($)	16,350
• Hourly or lane mile contract rate **	($/hr. or ln mi.)	N/A
• Disposal cost**	($)	0
Sweeping Equipment		
• Rotary brush street sweepers owned/leased	(#)	1
• Vacuum street sweepers owned/leased	(#)	0
• Vacuum street sweepers specified in contracts	(y/n)	0
• % Roads swept with rotary brush sweepers **	%	100
• % Roads swept with vacuum sweepers **	%	0

Reduction (since beginning of permit coverage) in application on public land of: ("N/A" = never used; "100%" = elimination)		
▪ Fertilizers	(lbs. or %)	Never used
▪ Herbicides	(lbs. or %)	Never used
▪ Pesticides	(lbs. or %)	Never used
Integrated Pest Management (IPM) Practices Implemented	(y/n)	y

	(Preferred Units)	Response
Average Ratio of Anti-/De-Icing products used ** (also identify chemicals and ratios used in specific areas, e.g., water supply protection areas) Note: Molasses used with NaCl and $MgCl_2$. 100 tons of sand are used separately. The use of molasses Has reduced the volume of material being removed from the catchbasins.	% NaCl % $CaCl_2$ % $MgCl_2$ % CMA % Kac % KCl % Sand	85% 15%
Pre-wetting techniques utilized **	(y/n or %)	n
Manual control spreaders used **	(y/n or %)	y
Zero-velocity spreaders used **	(y/n or %)	n
Estimated net reduction or increase in typical year salt/chemical application rate	(±lbs/ln mi. or %)	No change
Estimated net reduction or increase in typical year sand application rate **	(±lbs/ln mi. or %)	90%
% of salt/chemical pile(s) covered in storage shed(s)	(%)	100
Storage shed(s) in design or under construction	(y/n or #)	n
100% of salt/chemical pile(s) covered in storage shed(s) by May 2008	(y/n)	y

Water Supply Protection

Storm water outfalls to public water supplies eliminated or relocated	# or y/n	n

Installed or planned treatment BMPs for public drinking water supplies and their protection areas	# or y/n	n
Treatment units induce infiltration within 500-feet of a wellhead protection area	# or y/n	n

Addendum # 1

1. Public Education and Outreach

The Bristol County Agricultural High School Natural Resource Management (NRM) Department faculty has been diligently working to adjust their curriculum in order to achieve alignment with the vocational curriculum frameworks. This curriculum alignment effort demanded considerable faculty time and effort which left less for cooperative projects, such as the Dighton Storm Water Mapping and Monitoring work. Existing maps of the stormwater elements were updated and new maps were created of each street in Dighton. Each element was labeled using a numbering system and naming system to allow for easy identification in the future. For example, catch basins were given the designation CB, manholes, MH, and headwalls HW. Each element was given a number in the order that it was mapped. ArcGIS was used to generate a shapefile with the coordinates of the drainage system.

The town's MapGeo system provides information on stormwater components for town officials and residents. This aids the town in protecting its drinking water resources. This increased surveillance of the basins will allow for rapid identification of contaminated water sources and prevent illegal discharges into the rivers.

The Highway Department is continuing to use the molasses to mix with our salt, which has increased the capacity of our catch basins.

Enter your transmittal number → X280446 (Transmittal Number)

Your unique Transmittal Number can be accessed online:
http://www.mass.gov/eea/agencies/massdep/service/approvals/transmittal-form-for-payment.html

Massachusetts Department of Environmental Protection

Transmittal Form for Permit Application and Payment

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

2. Make your check payable to the Commonwealth of Massachusetts and mail it with a copy of this form to: MassDEP, P.O. Box 4062, Boston, MA 02211.

3. Three 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:

MassDEP
P.O. Box 4062
Boston, MA 02211

*** Note:**
For BWSC Permits, enter the LSP.

A. Permit Information

1. Permit Code: 4 to 7 character code from permit instructions
2. Name of Permit Category
NPDES PII Small MS4 General Permit
3. Type of Project or Activity

B. Applic[illegible]nformation – Firm or Individual

Town c[illegible]
1. Name[illegible] ter name below:
Goular[illegible]
2. Last [illegible]me of Individual 4. MI
1111 S[illegible]
5. Stree[illegible]
Dighto[illegible] 02715 508-659-4159
6. City/[illegible] 8. Zip Code 9. Telephone # 10. Ext. #
Todd[illegible] billing@townofdighton.com
11. Co[illegible] 12. e-mail address

Cover sheet
Scan + copy
mail original

C. Faci[illegible]oval

Tow[illegible]
1. Na[illegible]
979[illegible]
2. St[illegible]
Digl[illegible] 02715
3. C[illegible] 5. Zip Code 6. Telephone # 7. Ext. #

8. DEP Facility Number (if Known) 9. Federal I.D. Number (if Known) 10. BWSC Tracking # (if Known)

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

1. Name of Firm Or Individual
2. Address
3. City/Town 4. State 5. Zip Code 6. Telephone # 7. Ext. #
8. Contact Person 9. LSP Number (BWSC Permits only)

E. Permit - Project Coordination

1. Is this project subject to MEPA review? ☐ yes ☒ no
If yes, enter the project's EOEA file number - assigned when an Environmental Notification Form is submitted to the MEPA unit:
EOEA File Number

F. Amount Due

DEP Use Only

Permit No:

Rec'd Date:

Reviewer:

Special Provisions:

1. ☒ **Fee** Exempt (city, town or municipal housing authority)(state agency if fee is $100 or less).
There are no fee exemptions for BWSC permits, regardless of applicant status.
2. ☐ Hardship Request - payment extensions according to 310 CMR 4.04(3)(c).
3. ☐ Alternative Schedule Project (according to 310 CMR 4.05 and 4.10).
4. ☐ Homeowner (according to 310 CMR 4.02).

Check Number Dollar Amount Date

Mass.gov

Transmittal Form & Number for MassDEP Permit Application & Payment

Required for MassDEP permit application forms being submitted by mail.

1. Download the Transmittal Form

You may fill out and save the Microsoft Word form on your computer. The PDF version has to be printed out and completed by hand.

Additional Resources

Transmittal Form for Permit Application & Payment (DOC 149 KB)

Transmittal Form for Permit Application and Payment (PDF 110.34 KB)

2. Get your unique transmittal number

Click the button below. You must have a different transmittal number for each permit application.

Get Transmittal Number

X280446

information, including the possibility of fine and imprisonment for knowing violations.

Print the name of the appropriate official, followed by signature, and date.

Municipalities in Massachusetts must use the form designated by the Massachusetts Department of Environmental Protection (MA DEP). The form is available at http://www.state.ma.us/dep/brp/stormwtr/strmfms.htm or by contacting MA DEP at 508/792-7470. The permit code for the form is BRP WM 08 A EPA does not require the use of this form, but will accept information submitted on this form. All signatures must be originals.

Municipalities in New Hampshire should use the form developed by the New Hampshire Department of Environmental Services. The form is available at: http://www.des.state.nh.us/StormWater/. EPA does not require the use of this form, but will accept information submitted on this form. All signatures must be originals.

2. The Notice of Intent must be submitted by March 10, 2003, if designated under 40 CFR 122.32(a)(1)- those MS4s located fully or partially in an urbanized area; or within 180 days of notice, if designated under 40 CFR 122.32(a)(2), unless granted a longer period of time by EPA;

3. Submission of Notice of Intent

(a) All permittees must submit the Notice of Intent to EPA-Region I at the following address:
United States Environmental Protection Agency
Municipal Assistance Unit (CMU)
One Congress Street – Suite 1100
Boston, Massachusetts 02114-2023

(b) MS4s located in Massachusetts, subject to Part II, Part IV, or Part V, except Indian lands, must also submit a copy of the NOI to the MA DEP at the following address:
Massachusetts Department of Environmental Protection
Division of Watershed Management
627 Main Street
Worcester, Massachusetts 01608

The appropriate fee must accompany the submission to MA DEP. The application fee is $60.00. A fee exemption applies to any Massachusetts city, town or state agency. The fee does apply to Massachusetts state authorities.

(c) MS4s located in New Hampshire subject to Part III, Part IV or Part V, must also submit a copy of the NOI to the New Hampshire Department of Environmental Services (NH DES) at the following address:
New Hampshire Department Environmental Services
Water Division
Wastewater Engineering Bureau
P.O. Box 95
Concord, New Hampshire 03302-0095

New Hampshire may also adopt this permit as a state permit pursuant to RSA 485-A:13,I.(a).

4. Effective date of coverage. The authorization to discharge begins on the date of receipt of EPA's written authorization. The initial written receipt will detail the completeness of the submission. The permittee may be contacted by either EPA or MA DEP/NHDES at a later date requesting additional or updated information concerning the storm water management program. The initial response will not provide detailed comments on the submission.