Municipality/Organization:	Town of Dighton, Ma
EPA NPDES Permit Number	: MAR041105
MassDEP Transmittal Numb	er: W-040738
Annual Report Number	Year 13
& Reporting Period:	April 1, 2016 – March 31, 2017

NPDES PII Small MS4 General Permit Annual Report (Due: May 1, 2017)

Part I. General Information

Contact Person: Thomas Pires	Title: Board of Health	
Telephone #: (508) 659-4159 hswist@townofdighton.com	Email:	
Mailing Address: 979 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:	thomas Ries
Printed Name:	Thomas Pires
Title:	Chairman Board of Health
Date:	5/1/2017

]³ar^t III. Summary of Minimum Control Measures

1. Public Education and Outreach

		a	I		1
] MP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 13 (Reliance on non-municipal partners	Planned Activities
Townson	Continue working with schools to get info out to public	Thomas J. Pires	Expansion of Program	indicated, if any) Students from Bristol County Agricultural High school will continue to identify and map coordinates of outfalls in their area	. Planning to prepare new educational materials in 2017
1-2	Provide storm water 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
Icvised					
Icvised					
Hovised					
Icvised					
Fovised					

1 **a.** Additions

 Work on methods of getting info out to the public re: storm water	Thomas J. Pires	new sources to educate public on importance	Information remains available in public buildings within the town, Storm water addressed on local cable television and	Continue to pursue new way of getting information out to public
		of Storm water monitoring and control	during Selectmen's Meeting	

•

۰,

2 1'ublic Involvement and Participation

15 MP 10 #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 13 (Reliance on non-municipal partners indicated, if any)	Planned Activities
2-1 Fevised	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 Storm water control still rest with the Planning Board and Consulting Engineer.	Board of Health and Planning Board will continue to monitor systems. Will modify as situation or regulation change.
- I cviscd					
- Revised					
Envised					
Fovised					
- Rovised					
2 . Ac	lditions				

E = 2			
			 5

3. Illicit Discharge Detection and Elimination

E 411 I > #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 13 (Reliance on non-municipal partners indicated, if any)	Planned Activities
3 Rayis d	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
3-2 Revisid	Detect and eliminate discharges	Highway Supt.	Check for any new discharge sites	No new discharge sites located by Storm Drain System Cleaning by Highway Dept. Employees	Continue to monitor
33 Rev ris d	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	Task Completed
C:visd	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
5	Check on implementation of storm water regulation	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 Storm water.
R vis d					11
C vis d					

3a. Additions

. .

and the second se		

Construction Site Stormwater Runoff Control

	BMP Description	Responsible Dept./Person Name Planning Board	Measurable Goal(s) Explore and	Progress on Goal(s) – Permit Year 13 (Reliance on non-municipal partners indicated, if any) No Revisions required	Planned Activities Task Completed and On Going
	Review section of Zoning Bylaw		implement Storm Water Control		Review
4-2 Fevisod	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
	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 construct and land disturbance areas covered by the Bylaw
- Revised		······	 		
I cviscd					

4 n. Additions

•

8/4 H		· · · · · · · · · · · · · · · · · · ·	

Post-Construction Stormwater Management in New Development and Redevelopment

.

	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 13 (Reliance on non-municipal partners indicated, if any)	Planned Activities
	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	On going
Icovised					
- Perised	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 sterm under hus here and regulations	Ongoing
I CVIECU				storm water by- law and regulations	
T-3.	Ensure adequate Long term O&M of BMP'S	Highway Supt Thomas J. Pires	Annual Review process used to determine if O&m of BMP;s 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
	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
Icvised					

6 Pollution Prevention and Good Housekeeping in Municipal Operations

13 MP 110#	BMP Description	Responsible Dept./Person	Measurable Goal(s)	Progress on Goal(s) – Permit Year 13	Planned Activities
		Name		(Reliance on non-municipal partners	
		<u> </u>		indicated, if any)	
6-1	Educated Municipal	Highway	Update Employee	Town has updated training program on	Ongoing
	Employees	Superintendent	training	stormwater management including	
Icvised				methods for spotting problems, illicit discharges or suspicious storm drain	
				discharges.	
	Develop & Implement	Highway	Continue work on	Town continues to work toward	Ongoing
6-2	plan to prevent and	Superintendent	Municipal Operations	development of MOSP. The Town	
	reduce pollutant runoff		stormwater Plan	continues to review and expand MOSP	
	from municipal operations		(MOSP) needed		
Icviscd					
6.3	Catch Basin Cleaning	Highway	Clean and inspect all	Will continue to conduct catch basin	Annual Catch basin cleaning will
		Superintendent	catch basins annually	cleaning annually	continue
Icvised					
6.4	Street Sweeping	Highway	Continue to perform	Street Sweeping was conducted on	Street Sweeping on Town Roads will
		Superintendent	on all Town Roads bi-	some of the Streets due to the late	continue bi-annually
- I avised			annually	spring we will continue to sweep all Town roads	
				10wii 10ads	
				an MAR AN	
Hovised					
Tovised					

(n. Additions

	1 16			
	11 10			
1 82	8 9		1	
- P	14 68		1	
1 14	13 11		1	
1 12	12 12		1	
10	33 14		1	
1 6	SI 18		1	
1 80	13 日 日		1	
;;	13 17		1	

' EMPs for Meeting Total Maximum Daily Load (TMDL) Waste Load Allocations (WLA) <<if applicable>>

13MP 1D#	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 13 (Reliance on non-municipal partners indicated, if any)	Planned Activities
Eovised					
5.1 5.1 6.1					
Fryised					
				<u>.</u>	
l ovised	· · · · · · · · · · · · · · · · · · ·				
I∕svised	 				

'a. Additions

7b. WLA Assessment

ait IV. Summary of Information Collected and Analyzed

art V. Program Outputs & Accomplishments (OPTIONAL) Since beginning of permit coverage unless specified otherwise by a **, which indicates response is for period covering April 1, 2012 lirough March 31, 2013)

regrammatic

	(Preferred Ur	uits) Response
to mwater management position created/staffed	(y/n)	У
niual program budget/expenditures **	(\$)	51,233.00
total program expenditures since beginning of permit coverage	(\$)	
unding mechanism(s) (General Fund, Enterprise, Utility, etc)		Storm water
		budget

ducation, Involvement, and Training

stimated number of property owners reached by education program(s)	(# or %)	100%
to mwater management committee established	(y/n)	у
Stream teams established or supported	(# or y/n)	n
Shoreline clean-up participation or quantity of shoreline miles cleaned **	(y/n or mi.)	n
hereline cleaned since beginning of permit coverage	(mi.)	n
ousehold Hazardous Waste Collection Days		
days sponsored **	(#)	0
 community participation ** 	(# or %)	
 material collected ** 	(tons or gal)	
School curricula implemented	(y/n)	У

].egal/Regulatory

	In Place Prior to Phase II	Reviewing Existing Authorities	Drafted	Draft in Review	Adopte
1 egulatory 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")		<u> </u>	1		ţ
Illicit Discharge Detection & Elimination	-				x
Erosion & Sediment Control					x
Post-Development Stormwater Management					x
Outfall mapping complete Istimated or actual number of outfalls		ernr er	(%		100 37
Mapping and Illicit Discharges			(Pref	erred Units) Response
Ustimated or actual number of outfalls				-	
System-Wide mapping complete (complete storm sewer infr	astructure)		(%		100
1/lapping method(s)	***********				· · · · · · · · · · · · · · · · · · ·
Paper/Mylar			(%		100
CADD			(%		0
• GIS			(%	,	100
Outfalls inspected/screened **			a sa assanta fan Iana	or %)	100
Outfalls inspected/screened (Since beginning of permit cove	rage)		``	or %)	100
Illicit discharges identified **			(#)		
illicit discharges identified (Since beginning of permit cover	rage)		(#)		0
Illicit connections removed **); and	0
				t. gpd)	
Illicit connections removed (Since beginning of permit cove	rage)			; and	0
				t. gpd)	
			(% (%)	20
of population on sewer of population on septic systems				`	80

Construction

	(Preferred Un	its) Response
Number of construction starts (>1-acre) **	(#)	6
Estimated percentage of construction starts adequately regulated for erosion and sediment control **	(%)	100%
S te inspections completed **	(# or %)	100%
T clets/Stop work orders issued **	(# or %)	0
I nes collected **	(# and \$)	0
Complaints/concerns received from public **	(#)	0

l'os -Development Stormwater Management

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

Operations and Maintenance

Average frequency of catch basin cleaning (non-commercial/non-arterial streets) **	(times/yr)	2
Average frequency of catch basin cleaning (commercial/arterial or other critical streets) **	(times/yr)	1
Qty of structures cleaned **	(#)	1000
Oty of storm drain cleaned **	(%, LF or	100
	mi.)	
()ty of screenings/debris removed from storm sewer infrastructure **	(lbs. or tons)	Est 1400 tons
Disposal or use of screenings (landfill, POTW, compost, beneficial use, etc.) **	(location)	Landfill
		compost

l las n	Cleaning Costs		
	Annual budget/expenditure (labor & equipment)**	(\$)	21,044.48
9	Hourly or per basin contract rate **	(\$/hr or \$ per basin)	6,400/basin if contracted out
	Disposal cost**	(\$)	0
Clean	ing Equipment		
0	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	s) Response
Verage frequency of street sweeping (non-commercial/non-arterial streets) **	(times/yr)	2
Average frequency of street sweeping (commercial/arterial or other critical streets) **	(times/yr)	1
(hy of sand/debris collected by sweeping **	(lbs. or tons)	Est 1200 tons
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.) **	(location)	Land fill , compost pipe bedding
Annual Sweeping Costs		
Annual budget/expenditure (labor & equipment)**	(\$)	15,500.88
Hourly or lane mile contract rate **	(\$/hr. or	47.67/hr Per
	ln mi.)	contract
 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

•

ed action (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
tegrated Pest Management (IPM) Practices Implemented	(y/n)	У
verage Ratio of Anti-/De-Icing products used **	(Preferred Units	s) Response
also identify chemicals and ratios used in specific areas, e.g., water supply protection areas)	% NaCl % CaCl ₂ % MgCl ₂ % CMA % Kac % KCl % Sand	85%
e wetting techniques utilized **	(y/n or %)	n
anual control spreaders used **	(y/n or %)	у
ero-velocity spreaders used **	(y/n or %)	n
stimated net reduction or increase in typical year salt/chemical application rate	(±lbs/ln mi. or %)	No change
Istimated net reduction or increase in typical year sand application rate **	(±lbs/ln mi. or %)	No change
of salt/chemical pile(s) covered in storage shed(s)	(%)	100
orage shed(s) in design or under construction	(y/n or #)	n
00% of salt/chemical pile(s) covered in storage shed(s) by May 2008	(y/n)	y

Water Supply Protection

. ม S or m water outfalls to public water supplies eliminated or relocated # or y/n n

.

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

Addendum # 1 Public Education and Outreach

he 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 draft (i.e., new) vocational curriculum frameworks. This curriculum ignment effort demanded considerable faculty time and effort which left less for cooperative projects, such as the Dighton Storm Wa er 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.

here were 1300 stormwater elements mapped during the course of this project. Two illicit discharges were identified during the course of the mapping projects, which aided in their quick resolution. The shape file was added to the town's MapGeo system to provide information for town officials and residents. This mapping project allowed Dighton to gain more information about its storm water drainage system that it can use to protect its drinking water resources. This increased surveillance of the basins will allow for topid identification of contaminated water sources and prevent illegal discharges into the rivers.

he Highway Department has eliminated the output of sand by using a new product to mix with our salt, we have increased the capacity of our catch basins.