

Municipality/Organization: City of Methuen, Massachusetts

EPA NPDES Permit Number: MA041210

MADEP Transmittal Number: W-035284

Annual Report Number

& Reporting Period:

No. 11: March 14-March 15

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: Patrick L. Bower

Title: Director of Public Works

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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: Patrick L. Bower

Title: Director of Public Works

Date: 4/30/15

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 10 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 11
1-1	Article / Brochure in City newsletter	DPW/MVPC	Article / brochure distributed annually	Update / distribute flyer	Update / distribute flyer
Revised					
1-2	Info re: lawn waste disposal to Landscapers	DPW	Flyers mailed out	Collected background data.	Develop and mail flyer by Summer 2015
Revised			Announcement on Web site		Ongoing
1-3	Staff table at neighborhood cleanup day	DPW	Staff table and distribute flyers	Staffed table at cleanup day	Continue to staff table
Revised					
1-4	Offer education program to children	DPW	Give presentation	N/A	Extend offer to make presentation
Revised					
1-5	“Don’t feed waterfowl” signs	DPW	Install new signs and inspect existing	All signs inspected twice per year.	Continue inspection of signs
Revised					
1-6	Annual update of SWMP to City Council	DPW / ConComm	Annual update (Spring)	Update planned Spring 2015	Continue annual updates
Revised					

1a. Additions

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 10 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 11
3-1	Dry weather outfall screening	DPW	Number of outfalls screened	Completed	No action
Revised					
3-2	Map outfalls / receiving waters	DPW	Map created	Complete	Maintain map
Revised					
3-3	Map drain system / GIS	DPW	GIS created	Complete	Maintain GIS
Revised					
3-4	Develop / implement plan to ID & remove illicit discharges	DPW	Prioritize outfalls Locate illicit cons.	Completed construction of illicit discharge elimination in Strathmore Road area. Performed additional IDDE investigation in the Jackson Street Area and identified a direct connection which has been disconnected.	Perform additional IDDE investigation as budget and manpower permit. Perform follow-up in Jackson Street area to confirm problem has been corrected.
Revised					
3-5	Illegal collection / dumping ordinance	City Solicitor	Draft ordinance & present to Council	Researched available information to develop ordinance.	Draft ordinance and present to council
Revised					
Revised					

3a. 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 10 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 11
5-1	Ordinance to apply standards 2, 3,4, 7 &9 of Mass. Stormwater policy	City Solicitor	Draft ordinance & present to Council	Researched available information to develop ordinance.	Draft ordinance and present to council
Revised					
5-2	Specify BMP manual	Chief Engineer	BMP Manual selected	No action to date	Identification of BMP Manual will be included in BMP 5-1. DEP Stormwater Management Volume 2: Stormwater Technical Handbook
Revised					
5-3	Ordinance to ensure long-term maint. Of structural BMPs	City Solicitor	Draft ordinance & present to Council	Researched available information to develop ordinance.	Draft ordinance and present to council
Revised					
Revised					
Revised					
Revised					

5a. 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 10 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 11
N/A					
Revised					
Revised					
Revised					
Revised					
Revised					
Revised					

7a. Additions

7b. WLA Assessment

Legal/Regulatory

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

Mapping and Illicit Discharges

Outfall mapping complete	(%)	100%
Estimated or actual number of outfalls	(#)	
System-Wide mapping complete	(%)	100%
Mapping method(s)		
▪ Paper/Mylar	(%)	
▪ CADD	(%)	
▪ GIS	(%)	100%
Outfalls inspected/screened	(# or %)	100%
Illicit discharges identified	(#)	0
Illicit connections removed	(#) (est. gpd)	0
% of population on sewer	(%)	95%
% of population on septic systems	(%)	5%

Construction

Cost of sweepings disposal	(\$)	0
Vacuum street sweepers purchased/leased	(#)	0
Vacuum street sweepers specified in contracts	(y/n)	

Reduction in application on public land of: (“N/A” = never used; “100%” = elimination)		
▪ Fertilizers	(lbs. or %)	17,250 lbs
▪ Herbicides	(lbs. or %)	5 gal.
▪ Pesticides	(lbs. or %)	

Anti-/De-Icing products and ratios	% NaCl % CaCl ₂ % MgCl ₂ % CMA % Kac % KCl % Sand	70% 30%
Pre-wetting techniques utilized	(y/n)	N
Manual control spreaders used	(y/n)	Y
Automatic or Zero-velocity spreaders used	(y/n)	
Estimated net reduction in typical year salt application	(lbs. or %)	
Salt pile(s) covered in storage shed(s)	(y/n)	Y
Storage shed(s) in design or under construction	(y/n)	