

Part II. Self-Assessment

The Town of Wrentham continues to implement its Stormwater Management Plan (SWMP) to comply with the 2003 MA-MS4 general permit. The Town is also preparing to implement BMPs associated with the recently finalized 2016 MA-MS4 general permit that was released in April of 2016 and becomes effective July 1, 2017.

The Town continues to make progress in its stormwater education and outreach programs. The Town recently completed a contest to create a stormwater public service announcement that now runs on the Town cable access channel and is also on the Charles River Watershed Association's website (<http://www.crwa.org/education/wrentham-swmj>). In addition to the stormwater PSA the Town of Wrentham Recycling Committee also runs a successful rain barrel program which helps subsidize rain barrels for interested citizens. The Town also belongs to a regional stormwater coalition and is planning on continuing its participation in the coalition in order to improve not only its education and outreach programs but also its other municipal programs associated with MS4 compliance related to all size minimum control measures.

The Town continues to implement its street sweeping and catch basin cleaning programs in compliance with MS4 regulations. Presently the Town sweeps all streets annually, regardless of whether they are located within the regulated urbanized area or not. Catch basin cleaning also continues

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
1a	Distribute/Post Nonpoint Source Pollution Posters	DPW Supt.	Post in all schools and Town buildings	(Reliance on non-municipal partners indicated, if any) Nonpoint source posters continued to be displayed.	No additional activities planned.
1b	Air stormwater message on local cable access channel	DPW Supt.		Messages were to be aired on local cable access channel.	Continue to air stormwater messages on local access cable channel. Identify possible other media outlets.
1c	Obtain and distribute auto repair shop brochures	DPW Supt.			
1d	Add stormwater to the town's website	DPW Supt.	Create a stormwater specific page on the Town's new website	The Town has a new redesigned website. A Stormwater Information page was created and linked to from the Board of Health main page. This page currently provides a link to Wrentham's Stormwater Regulations (http://www.wrentham.ma.us/boards-committees/wrentham-ma-board-of-health/stormwater-information). A stormwater pollution public service announcement video contest was held in collaboration with the Charles River Watershed Association, King Phillip High School and the Town of Wrentham. Videos have been published to the internet and a link is currently available on the Town's website.	The website will continue to be updated with stormwater specific information. This new information is planned to include additional information and messaging required for future compliance with the 2016 MA-MS4 permit.
1e	Prepare and Distribute stormwater brochure	DPW Supt.		Brochures remain available to residents and businesses. See Attached	Continue to identify new distribution opportunities for this brochure.

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
2a	Hold public meetings with residents	DPW Supt.	Conduct two public meetings during the permit cycle.	Public meetings were held in years 2 and 5.	No additional activities planned.
2b	Coordinate public outreach program	DPW Supt.	Conduct two workshops for residents over the permit cycle.	No activities planned.	No activities planned.
2c	Hold Household Hazardous Waste Day	Recycling Committee	Hold a collection day each year.	Wrentham held a HHWD in May of 2016 and 2017. See attached flyers	Hold HHWD cleanup in 2018.
2d	Rain Barrel Program	Recycling Committee	Publicize rain barrel program on website	Number of rain barrels distributed	Continue Rain Barrel program

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
3a	Map outfalls and receiving waters	DPW Supt.	Develop a map in first permit year and map 25% of outfalls that drain to urbanized areas in each year after	All outfalls within Phase II urbanized areas were mapped during the permit years 1 & 2.	Review and update outfall map as necessary.
3b	Review existing bylaws	DPW Supt.	Determine if existing bylaws and regs fulfill EPA requirements	The BOH adopted stormwater regulations on 3/23/2009.	Review existing bylaws and regulations and make recommendations for changes to IDDE program as required by newly finalized 2016 MA-MS4 general permit.
3c	Develop illicit discharge, detection and elimination plan	DPW Supt.	Make recommendations for inclusion into plan	BOH stormwater regulations were adopted on 3/23/2009.	Review requirements of the 2016 MA-MS4 general permit and develop recommended updates to IDDE program and regulations
3d	Present bylaw for Town Meeting action	DPW Supt.	Make presentation for Town Meeting action	No activities were planned.	It is anticipated that any changes or new IDDE regulations will be presented to Town Meeting for future adoption.

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
4a	Review existing site inspection practices	DPW Supt.	Determine if existing practices fulfill EPA requirements	No activities.	Review existing site inspection practices will meet 2016 MA-MS4 permit requirements.
4b	Develop/modify site inspection program	DPW Supt.	Make recommendations for modifying existing program	The BOH adopted stormwater regulations on 3/23/2009 addressing such requirements. No additions were made during the reporting term.	Modify existing inspection program to conform with upcoming MS4 regulations as necessary.
4c	Review existing bylaws and regulations	DPW Supt.	Determine if existing bylaws and regulations fulfill EPA requirements	The BOH adopted stormwater regulations on 3/23/2009 addressing such requirements. No changes were made to regulations during the reporting period.	Existing bylaws and regulations will be reviewed pursuant to the upcoming 2016 MA-MS4 permit.
4d	Develop/modify bylaw for construction site runoff	DPW Supt.	Propose recommendations for modifying/developing bylaw	The BOH adopted stormwater regulations on 3/23/2009 addressing such requirements. No changes made during this reporting period.	Existing bylaws and regulations will be reviewed pursuant to the upcoming 2016 MA-MS4 permit. Any changes needed to comply with existing permits will be brought before Town Meeting or other regulatory body as necessary.
4e	Present bylaw for Town Meeting action	DPW Supt.	Make presentation for Town Meeting action	The BOH adopted stormwater regulations on 3/23/2009 addressing such requirements. No changes made during this reporting period.	No activities planned.
4f	Create new inspector position within DPW responsible for ensuring best management practices and regulations are followed	DPW Supt.	Post and hire new employee	Position advertised.	Hire new employee.

4a. Additions

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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
5a	Continue existing site inspection practices	DPW Supt.	Number of site inspections completed	During permit year 2, the town's existing site inspection and maintenance practices were reviewed to determine whether the existing site inspection and maintenance practices complied with EPA requirements.	Site inspections will continue on all developments greater than one acre.
5b	Develop/modify inspection and maintenance practices	DPW Supt.	Make recommendations for modifying existing practices, as necessary.	During permit year 2, existing site inspection and maintenance practices were reviewed. Recommended changes were incorporated into the subsequent BOH regulations (3/23/2009). No changes made during this reporting period.	No activities planned.
5c	Review existing bylaws and regulations	DPW Supt.	Determine if existing bylaws and regulations fulfill EPA requirements	During permit year 2, existing site inspection and maintenance practices were reviewed. Recommended changes were incorporated into the subsequent BOH regulations (3/23/2009). No changes made during this reporting period.	Existing bylaws and regulations will be reviewed to determine the extent to which they fulfill the upcoming 2016 MA-MS4 permit requirements.
5d	Develop/modify bylaws for post-construction site runoff	DPW Supt.	Propose recommendations for modifying/developing bylaw	A post-construction site runoff portion of the stormwater bylaw was drafted and subsequently adopted in the BOH stormwater regulations adopted 3/23/2009. No changes made during this reporting period.	Existing bylaws and regulations will be reviewed to determine the extent to which they fulfill the upcoming 2016 MA-MS4 permit requirements. Any changes will be proposed and brought before Town Meeting or other required regulatory body, as necessary.

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
6a	Street sweeping program	DPW Supt.	Sweep all streets up to twice per year	All streets were swept once and the streets near water bodes were swept twice.	The DPW will continue the same program.
6b	Catch basin cleaning program	DPW Supt.	Clean all catch basins at least once each year	All catch basins were cleaned once, relative fullness of basins was noted.	Clean all catch basins as necessary based on data from previous year.
6c	Perform site visits to examine existing practices at town facilities	DPW Supt.	Target all applicable town facilities	Performed periodic site inspections of town facilities.	Continue periodic inspections of town facilities.
6d	Train municipal employees	DPW Supt.	Target all applicable town facilities	Training continued.	Continue training.
6e	Perform follow ups to ensure required practices are met	DPW Supt.	Target all applicable town facilities	Follow ups continued.	Continue follow-ups.

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					

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, 2016 through March 31, 2017)

Programmatic

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

Education, Involvement, and Training

Estimated number of property owners reached by education program(s)	(# or %)	
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.)	Y
Shoreline cleaned since beginning of permit coverage	(mi.)	
Household Hazardous Waste Collection Days		
▪ days sponsored **	(#)	1
▪ community participation **	(# or %)	
▪ material collected **	(tons or gal)	>1 ton annually (est.)
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	(#)	200
System-Wide mapping complete (complete storm sewer infrastructure)	(%)	65%
Mapping method(s)		
▪ Paper/Mylar	(%)	20
▪ CADD	(%)	
▪ GIS	(%)	80
Outfalls inspected/screened **	(# or %)	
Outfalls inspected/screened (Since beginning of permit coverage)	(# or %)	100%
Illicit discharges identified **	(#)	
Illicit discharges identified (Since beginning of permit coverage)	(#)	4
Illicit connections removed **	(#); and (est. gpd)	
Illicit connections removed (Since beginning of permit coverage)	(#); and (est. gpd)	4
% of population on sewer	(%)	1
% of population on septic systems	(%)	99

Construction

	(Preferred Units)	Response
Number of construction starts (>1-acre) **	(#)	
Estimated percentage of construction starts adequately regulated for erosion and sediment control **	(%)	100
Site inspections completed **	(# or %)	
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)	Y

Operations and Maintenance

Average frequency of catch basin cleaning (non-commercial/non-arterial streets) **	(times/yr)	.5
Average frequency of catch basin cleaning (commercial/arterial or other critical streets) **	(times/yr)	1
Qty of structures cleaned **	(#)	900
Qty. of storm drain cleaned **	(%, LF or mi.)	0
Qty. of screenings/debris removed from storm sewer infrastructure **	(lbs. or tons)	unknown
Disposal or use of screenings (landfill, POTW, compost, beneficial use, etc.) **	(location)	Disposed of by contractor

Basin Cleaning Costs		
• Annual budget/expenditure (labor & equipment)**	(\$)	~\$17,000 annually
• Hourly or per basin contract rate **	(\$/hr or \$ per basin)	\$21.40
• Disposal cost**	(\$)	Included
Cleaning Equipment		
• Clam shell truck(s) owned/leased	(#)	1
• Vacuum truck(s) owned/leased	(#)	
• Vacuum trucks specified in contracts	(y/n)	
• % Structures cleaned with clam shells **	(%)	100
• % Structures cleaned with vector **	(%)	

	(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)	1.2
Qty. of sand/debris collected by sweeping **	(lbs. or tons)	3
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.) **	(location)	Compost
Annual Sweeping Costs		
• Annual budget/expenditure (labor & equipment)**	(\$)	~\$17,000 annually
• Hourly or lane mile contract rate **	(\$/hr. or ln mi.)	
• Disposal cost**	(\$)	
Sweeping Equipment		
• Rotary brush street sweepers owned/leased	(#)	1
• Vacuum street sweepers owned/leased	(#)	
• Vacuum street sweepers specified in contracts	(y/n)	
• % Roads swept with rotary brush sweepers **	%	100
• % Roads swept with vacuum sweepers **	%	

Reduction (since beginning of permit coverage) in application on public land of: ("N/A" = never used; "100%" = elimination)		
▪ Fertilizers	(lbs. or %)	0
▪ Herbicides	(lbs. or %)	100
▪ Pesticides	(lbs. or %)	0
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)	% NaCl % CaCl ₂ % MgCl ₂ % CMA % Kac % KCl % Sand	98 2 100% used in water supply areas
Pre-wetting techniques utilized **	(y/n or %)	Y
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/l _n mi. or %)	
Estimated net reduction or increase in typical year sand application rate **	(±lbs/l _n mi. or %)	98% reduction in sand use
% of salt/chemical pile(s) covered in storage shed(s)	(%)	100
Storage shed(s) in design or under construction	(y/n or #)	0
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
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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