

Municipality/Organization: Westport

EPA NPDES Permit Number: MA041174

MassDEP Transmittal Number: W-042447

Annual Report Number Year 9
& Reporting Period: April 1, 2012 – March 31, 2013

NPDES PII Small MS4 General Permit Annual Report (Due: May 1, 2013)

Part I. General Information

Contact Person: John Healey Title: Town Administrator

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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: JOHN F. HEALEY

Title: TOWN ADMINISTRATOR

Date:

Part II. Self-Assessment

The Town of Westport has completed the required self-assessment and has determined that our municipality is in compliance with all permit conditions, except for the following provisions:

The Town of Westport, MA has levels of Trihalomethanes above Drinking Water Standards. There are 158 customers served by this system. This information was reported to the Town's 158 customers. Our water system recently violated a drinking water standard. We routinely monitor for the presence of drinking water contaminants. Tests results for the 3rd and 4th quarter of 2012 as well as the 1st quarter of 2013 shows that our system exceeds the standard, or maximum contaminant level (MCL), for Trihalomethanes. The standard for Trihalomethanes is 0.080 mg/L. The average level for Trihalomethanes for the 3rd quarter of 2012 was 0.09817 mg/L; the average level for the 4th quarter of 2012 was 0.09557 mg/L; and the average level for the 1st quarter of 2013 was 0.09547 mg/L. Town of Westport PWS ID#: 4334090

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 8 (Reliance on non-municipal partners indicated, if any)	Planned Activities
1.1 Revised	Signage at major tributaries	Highway Surveyor	27 signs installed and maintained marking watershed tributaries	Westport River Watershed Alliance maps and monitors sign conditions	Maintain signage
1.2 Revised	Development of Stormdrain Maps	Highway Surveyor	Map posted at Town Hall	Westport River Watershed Alliance, BBAC, and BBNEP update map for town with GIS	Continue updates with GIS mapping
1.3 Revised	60 free Rainbarrels given to Town Residents	Board of Selectmen WRWA	Town filed 2011 MS4 report late, EPA fined the Town, which opted for a rainbarrel distribution program for the fine	60 rainbarrels distributed on May 12, 2012	Residents who received rainbarrels were asked to document the barrels in use and send information to the Town.
1.4 Revised	Informational Flyer on stormwater pollution prevention	Board of Selectmen Town Estuaries Committee – WRWA	Flyer Produced August 2012 Copy of material sent: http://westportwatershed.org/wrwa/wp-content/uploads/2013/05/WRWA-2012-CLEAN-WATER-PAMPH.pdf	Westport River Watershed Alliance produced informational flyers about water resources, available at Town buildings – mailed to all Town residents	Continue to promote public awareness of water resource protection.
1.5 Revised	Stormwater curriculum for grades 6 & High School	School Department	Implement curriculum for 2012-13 school year	Westport River Watershed Alliance authored curriculum, implemented in school department	Continue to implement curriculum
1.6	Public outreach/education on 319s. Stormwater	Board of Selectmen	Implement 319s funded designs for BMPs at municipal properties	WRWA newsletter promoting work scheduled with 319s funds to treat stormwater at the Westport Middle School/Library complex.	Project started Oct 2011 – construction of BMP (raingardens July - October 2012) 319 reports to DEP by Norfolk Ram Group
	remediation BMPS at municipal properties				

1a. Additions

1.7	"Mutt Mitt" dog waste bags @ public landings	WRWA	Installed at 2 town landings	completed	Implement enforcement

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 8 (Reliance on non-municipal partners indicated, if any)	Planned Activities
2.1	Shoreline cleanups	Highway Surveyor	April 22, 2013 cleanup Sept. 22, 2012 cleanup	With WRWA; support two annual clean-ups; record number of volunteers and distance of shoreline cleaned.	Complete similar effort in subsequent years
Revised					
2.2	Stormdrain stenciling	Board of Selectmen	Document catch basins stenciled	Ongoing	Ongoing
Revised					
2.3	Hazardous Material Collection	Board of Selectmen	Hazardous Material Collected	Ongoing at transfer-station (paints, oil)	Research funding for community hazardous waste collection events.
Revised					

2.4	Electronics Recycle Day	WRWA – held at Town Hall	Recycled with Complete Recycling Solutions	April 21, 2012	
Revised					
2.5	Community Septic Management Program	Board of Health Board of Selectmen	With funds from Water Pollution Abatement Trust and MA DEP to offer loans to repair failed septic systems	CSMP program approved at Nov. 13, 2012 Town Meeting. In January 2013 funds were received by WPAT. To date 5 systems have been completed and 4 systems are in process of being fixed.	Continue to promote CSMP program to residents. Applications are being accepted, link to application: http://www.hgsitebuilder.com/files/writeable/uploads/hostgator509639/file/bettermentapplication-revd1-9-13.pdf
Revised					
Revised					

2a. Additions

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3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 8 (Reliance on non-municipal partners indicated, if any)	Planned Activities
3.1 Revised	Illicit discharge prohibition	Board of Health Planning Board	Warrant article for May Town Meeting 2014	Draft Illicit Discharge Bylaw created for May 2011 Town Meeting. Passed over for further revisions.	Continued revisions to draft bylaw.
3.2 Revised	Water Quality Monitor-River Road	WRWA Board of Health Shellfish Adv. Board	Test for fecal coliform from road and MS4s April-Sept 2012	Significant bacteria counts from wet weather conditions, use data to apply for BBNEP Watershed Municipal funds for Stormwater Remediation Design	Continue Bacteria Source tracking.
3.3 Revised	Apply for BBNEP Watershed Municipal mini-grant Stormwater Remediation Design	Board of Selectmen	Design or engineer plans for MS4 remediation on Drfit Road. June, 2012	Drainage from the municipal stormwater system flows untreated into the East Branch of the Westport River via Sam Tripp Brook. This section of the Westport River is on the state's 303(d) list of impaired waters for bacteria and nitrogen and is closed to shellfishing for portions of the year. Treatment of the discharge is expected to contribute to improvements in water quality. The river crossing was recently the site of a new river culvert installation. The Buzzards Bay NEP is now working with town officials, the Westport River Watershed Alliance, and landowners to develop conceptual designs or options for the site. These conceptual designs or options are the basis of the solicited RFR for final designs.	Grant application done by WRWA May 2012.
3.4 Revised	Bacteria Source tracking support for MA DEP	WRWA MA DEP	Bacteria source tracking in Westport River and 303d listed tributaries.	Bacteria source tracking surveys in multiple segments of 303d listed Westport watershed and tributaries.	Continue to support the MA DEP Bacteria Source tracking work in the watershed.
Revised					

Revised					
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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 8 (Reliance on non-municipal partners indicated, if any)	Planned Activities
4.1 Revised	Planning Board Subdivision Regulation Site Plan Review	Planning Board	Review of Plans	On-going	Town Planner reviewing regulations
4.2 Revised	Planning Board Subdivision Regulation Site Plan Review	Planning Board	Site plan zoning and Low Impact Development Bylaw Accepted at 2011 Town Meeting	Rules and regulations to be updated	Reviews ongoing
4.3 Revised	Planning Board Zoning Regulation - amendments	Planning Board	District zoning Common driveways Flexible frontage	Voted on May 2012 Town Meeting. Rules and regulations to be updated	Reviews ongoing
Revised					
Revised					
Revised					
Revised					

4a. Additions

4.3	Public access to parcel and GIS data layers on	Assessors office	Online, digital public access	Update data layers,	Increase local data for GIS mapping of town infrastructure
	Town Website				

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 8 (Reliance on non-municipal partners indicated, if any)	Planned Activities
5.1 Revised	Planning Board Subdivision Regulation	Planning Board	Regulation change and LID bylaw established	ongoing	Town planner working to integrate
5.2 Revised	Stormwater Draft Regulations for sites less than 5,000 sq. feet	Board of Health	Enforce regulations	Review regulations annually	Review and enforce regulations for planned activities
Revised	Planning Board Zoning Regulation - amendments	Planning Board	District zoning Common driveways Flexible frontage Passed over at May 2012 Town Meeting	Rules and regulations to be updated and revised for another vote.	Reviews ongoing
Revised					
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 8 (Reliance on non-municipal partners indicated, if any)	Planned Activities
6.1 Revised	Highway Dept. Policy Guide	Highway Surveyor	Policy Guide produced	Adherence to policies	Conduct training, use feedback to target future agenda
Revised	Highway Dept. Annual Training	Highway Surveyor	Training on guide	Yearly training on guide	
6.2 Revised	Highway Dept. Permit Filing	Highway Surveyor	Work with ConCom to develop order of conditions	Ongoing –	ongoing
6.3 Revised	Street Sweeping	Highway Surveyor	Sweep streets 2 times per year	ongoing	ongoing
6.4 Revised	Catch basin cleaning	Highway Surveyor	Clean catch basins 2 times per year	ongoing	ongoing
6.5 Revised	O&M for town owned structural BMPs	Highway Surveyor	Implement O&M for 319 funded municipal BMPs		ongoing

6.6	4 Raingardens constructed by the Highway Dept at the Westport Middle School Complex	Highway Surveyor WRWA Norfolk Ram Group	Part of a series of BMPs for WESTPORT STORMWATER BMP IMPLEMENTATION PROJECT WESTPORT, MASSACHUSETTS CONTRACT NO. BMP-13-01 PROJECT NO. 1448.001.01	Meetings with Town Boards, School Committees, and Town Departments throughout 2012. Construction of 4 raingarden BMPs occurred throughout August 2012. Systems were landscaped in October 2012.	Completion of 10+ more BMPs to be constructed in the summer of 2013 with Highway Surveyor, WRWA Norfolk Ram Group, and contract bidder
Revised					

6a. Additions

6.6	Municipal worker training	Westport Conservation Agent	Attend MA DEP stream May 24, 2012	Training on establishing design standards and methodologies for river and stream restoration	
6.7	MS4 Annual Report	Board of Selectmen	Report filed for 2011-12		

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 8 (Reliance on non-municipal partners indicated, if any)	Planned Activities
7.1 Revised	Public release of Estuaries Report for Westport TMDL for nutrients	Estuaries Committee, Board of Selectmen	TMDL for nitrogen in the Westport River watershed.	Report released to the public on March 8, 2012.	Once TMDLs are established, implement an adaptive management strategy for TMDL compliance.
7.2 Revised	Formation of Town Water Resource Management Committee	Board of Selectmen	Combined Stormwater Management Committee and Water and Sewer Committee Voted on June 27, 2012	June 25, 2012 – 5 people appointed to 1 year terms, July 23, 2012 5 more people (based on precinct) appointed to 3 year terms	Work with Town Boards to implement an adaptive management strategy for TMDL compliance.
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, 2012 through March 31, 2013)

Programmatic

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

Education, Involvement, and Training

Estimated number of property owners reached by education program(s)	(# or %)	3,000
Stormwater management committee established	(y/n)	Y
Stream teams established or supported	(# or y/n)	Y
Shoreline clean-up participation or quantity of shoreline miles cleaned **	(y/n or mi.)	Y
Shoreline cleaned since beginning of permit coverage	(mi.)	5 mi
Household Hazardous Waste Collection Days		
▪ days sponsored **	(#)	0
▪ community participation **	(# or %)	0
▪ material collected **	(tons or gal)	
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	x	
▪ Post-Development Stormwater Management			x	x	
Accompanying Regulation Status (indicate with “X”)					
▪ Illicit Discharge Detection & Elimination		x		x	
▪ Erosion & Sediment Control		x		x	
▪ Post-Development Stormwater Management		x		x	

Mapping and Illicit Discharges

	(Preferred Units)	Response
Outfall mapping complete	(%)	100
Estimated or actual number of outfalls	(#)	7
System-Wide mapping complete (complete storm sewer infrastructure)	(%)	100
Mapping method(s)		
▪ Paper/Mylar	(%)	
▪ CADD	(%)	
▪ GIS	(%)	
Outfalls inspected/screened **	(# or %)	100
Outfalls inspected/screened (Since beginning of permit coverage)	(# or %)	100
Illicit discharges identified **	(#)	7
Illicit discharges identified (Since beginning of permit coverage)	(#)	0
Illicit connections removed **	(#); and (est. gpd)	0
Illicit connections removed (Since beginning of permit coverage)	(#); and (est. gpd)	0
% of population on sewer	(%)	0%
% of population on septic systems	(%)	100

Construction

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

Post-Development Stormwater Management

Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control	(%)	4
Site inspections (for proper BMP installation & operation) completed **	(# or %)	4
BMP maintenance required through covenants, escrow, deed restrictions, etc.	(y/n)	
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)	2
Average frequency of catch basin cleaning (commercial/arterial or other critical streets) **	(times/yr)	2
Qty of structures cleaned **	(#)	250
Qty. of storm drain cleaned **	(%, LF or mi.)	100
Qty. of screenings/debris removed from storm sewer infrastructure **	(lbs. or tons)	300 YARDS
Disposal or use of screenings (landfill, POTW, compost, beneficial use, etc.) **	(location)	COMPOST

Basin Cleaning Costs		0
• Annual budget/expenditure (labor & equipment)**	(\$)	IN HOUSE
• Hourly or per basin contract rate **	(\$/hr or \$ per basin)	0
• Disposal cost**	(\$)	0
Cleaning Equipment		
• Clam shell truck(s) owned/leased	(#)	2
• Vacuum truck(s) owned/leased	(#)	0
• Vacuum trucks specified in contracts	(y/n)	0
• % Structures cleaned with clam shells **	(%)	100
• % Structures cleaned with vector **	(%)	0

	(Preferred Units)	Response
Average 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)	2
Qty. of sand/debris collected by sweeping **	(lbs. or tons)	UNKNOWN
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.) **	(location)	HIGHWAY DEPT YARD
Annual Sweeping Costs		
• Annual budget/expenditure (labor & equipment)**	(\$)	IN HOUSE
• Hourly or lane mile contract rate **	(\$/hr. or ln mi.)	IN HOUSE
• Disposal cost**	(\$)	N/A
Sweeping Equipment		
• Rotary brush street sweepers owned/leased	(#)	2 OWNED
• Vacuum street sweepers owned/leased	(#)	N/A
• Vacuum street sweepers specified in contracts	(y/n)	N/A
• % 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 %)	N/A
▪ Herbicides	(lbs. or %)	N/A
▪ Pesticides	(lbs. or %)	N/A
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	50% NaCl 50% Sand
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/l _n mi. or %)	-700 TONS
Estimated net reduction or increase in typical year sand application rate **	(±lbs/l _n mi. or %)	
% of salt/chemical pile(s) covered in storage shed(s)	(%)	100
Storage shed(s) in design or under construction	(y/n or #)	N/A
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	
Installed or planned treatment BMPs for public drinking water supplies and their protection areas	# or y/n	Y
Treatment units induce infiltration within 500-feet of a wellhead protection area	# or y/n	