

Municipality/Organization: Westport
EPA NPDES Permit Number: MA041174
MassDEP Transmittal Number: W-042447
Annual Report Number Year 10
& Reporting Period: April 1, 2013 – March 31, 2014

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

Part I. General Information

Contact Person: John Healey Title: Town Administrator
Telephone #: 508-636-1150 Email: bos@westport-ma.gov
Mailing Address: 816 Main Road, Westport, MA 02790

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: 4/23/14

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:

Our water system recently violated a drinking water standard. Although this is not an emergency, as our customers, you have a right to know what happened, what you should do, and what we are doing to correct this situation. We routinely monitor for the presence of drinking water contaminants. Tests results for the 4th quarter of 2013 as well as the 2nd and 3rd 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 level for Trihalomethanes for the 1st quarter 2014 was 0.0495 mg/L, the level for the 4th quarter of 2013 was 0.103 mg/L; the level for the 3rd quarter of 2013 was 0.168 mg/L, the level for the 2nd quarter 2013 was 0.128 mg/L. **The average for the 4 quarters was 0.112 mg/L. What should I do?** You do not need to use an alternative (e.g. bottled) water supply. However, if you have specific health concerns, consult your doctor. **What does this mean?** This is not an immediate risk. If it had been, you would have been notified immediately. However, some people who drink water containing Trihalomethanes (TTHM's) in excess of the MCL over many years may experience problems with their liver, kidneys or central nervous system and may have an increased risk of getting cancer. **What happened? What is being done?** We will increase flushing the water distribution system. We will sample the water at the entry point, mid point and end point to evaluate the results and plan accordingly to address this water quality compliance issue and correct the problem. For more information, please contact Linda Correia at (508) 674-2832, 66 Katie Court, Fall River, MA 02720. Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail. **PWS ID#: 4334090 Date distributed: 4/20/2013.**

Because of these violations of the total trihalomethane (TTHM) drinking water standards, the Town of Westport entered into an Administrative Consent Order (ACO) with the Massachusetts Department of Environmental Protection (MassDEP). To meet the requirements of the ACO, the Town retained the services of Environmental Partners Group, Inc. (EPG) to complete an evaluation of water supply and treatment alternatives to comply with TTHM drinking water standards. The Town and EPG are working expeditiously with MassDEP to monitor water quality while implementing improvements in the distribution system to reduce TTHM. The ACO has been amended to extend the deadline for water treatment plant construction. Extending the deadline will allow for the water quality to be monitored to measure the impact of the distribution system improvements.

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
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/MS4 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	Public outreach/education on 319s, Stormwater remediation BMPs at municipal properties	Board of Selectmen	Implement 319s funded designs for BMPs at municipal properties	WRWA newsletter promoting BMPs and work done with 319s funds to treat stormwater at the Westport Middle School/Library complex.	Project started Oct 2011 – construction of BMP (raingardens July - October 2013) 319 reports to DEP by Norfolk Ram Group
1.4 Revised	“Mutt Mitt” dog waste bags @ public landings	WRWA	Installed at 2 town public landings	Installed at 2 town landings, WRWA resupplies bags	Implement enforcement of Sanitary Dog regulation by Board of Health

1a. Additions

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s)	Planned Activities
2.1	Shoreline cleanups	Highway Surveyor	April 20, 2013 cleanup Sept. 28, 2013 cleanup	Permit Year 10 (Reliance on non-municipal partners indicated, if any) With WRWA; support two annual clean-ups; record number of volunteers and distance of shoreline cleaned.	Complete similar efforts annually
Revised					
2.2	Stormdrain stenciling	Highway Surveyor	Document catch basins stenciled	Ongoing	Ongoing
Revised					
2.3	Hazardous Material Collection	Board of Selectmen	Hazardous Material Collected	Ongoing at transfer-station (fluorescent bulbs, oil)	Research funding for community hazardous waste collection events.
Revised					
2.4	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 no longer being accepted, link to application: http://www.hgsitebuilder.com/files/writeable/uploads/hostgator509639/file/betterment-application-revd1-9-13.pdf The Westport Board of Health and Water Resource Management Committee are seeking additional funding continue to provide a Community Septic Management Program.
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 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	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.
3.3 Revised					
3.4 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 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	The Planning Board had a total of 9 projects that were reviewed for conformance with stormwater compliance. (See list). The Planning Board also is reviewing a number of projects that were being constructed during that period to ensure that the stormwater systems were being installed in accordance with the design plans. The Planning Board has hired a consultant engineer to inspect and approve of all drainage installations.	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. There were no changes to the Construction Site Stormwater Runoff Control regulations. The Planning Board is in the early stages of reviewing the Subdivision Regulations. Voted on May 2012 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		Reviews ongoing
4.4 Revised	Public access to parcel and GIS data layers on Town Website	Assessors office	Online, digital public access	Online, digital public access	Increase local data for GIS mapping of town infrastructure

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 8 (Reliance on non-municipal partners indicated, if any)	Planned Activities
5.1 Revised	Planning Board <u>Subdivision Regulation</u>	Planning Board	Regulation change and <u>LID bylaw established</u>	ongoing	Town planner working to integrate
5.2 Revised	Stormwater Draft Regulations for sites less than <u>5,000 sq. feet</u> <u>2014</u>	Board of Health	Enforce regulations	Review regulations annually – Board of Health now requires that all plans submitted for review include reference to stormwater management plans	Review and enforce regulations for planned activities
5.3 Revised	Planning Board Zoning Regulation - <u>amendments</u>	Planning Board	District zoning Common driveways <u>Flexible frontage</u> Passed over at May 2012 Town Meeting	Rules and regulations to be updated and revised for another vote.	Reviews ongoing

5a. Additions

5.4a	Projects Reviewed for Stormwater Compliance Between April 2012 and March 31, 2013	Planning Board	12-002SPA - Site Plan Review - 683 American Legion Highway (AMA Engineering) 12-003SPA - Site Plan Review - 291 American Legion Highway (Westport Market) 12-006SPA - Site Plan Review - 1058 State Road (Prestige Auto) 12-007SPA - Site Plan Review - 830 Drift Road (Town Farm) 12-004C - Subdivision - Carvalho Lane (4 Lot Subdivision) 12-005C - Subdivision - Crane Hill (9 Lote Subdivision) 12-008C - Subdivision - Lorraines Way (2 Lot Subdivision) 13-001C - Subdivision - Lilly's Lane (4 Lot Subdivision) 13-002C - Subdivision - Meadowbrook Phase III (5 Lot Subdivision)		
------	---	----------------	---	--	--

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 over 200 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	Municipal worker training	Board of Health, Planning Board, Highway Dept.		A number of the Planning Board members attend the annual Citizens Planner Training Collaborative that provides classes on various planning issues. Members also attend meetings and talks at SRPEDD.	ongoing
Revised					

6a. Additions

6.7	MS4 Annual Report	Board of Selectmen, WRWA	Report filed for 2013- 14		
6.8	Grant Writing	Town Administrator, Highway Dept	Grant for GIS/GPS equipment and training	Funding for GPS and GIS equipment, training and software for municipal use.	Grant funding inconclusive, further funding sought.

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	Public release of Estuaries Report for Westport	Estuaries Committee,	TMDL for nitrogen in the Westport River watershed.	Report released to the public on March 8, 2012. Westport still waiting for release of final TMDL from the MADEP.	Once TMDLs are established, implement an adaptive management strategy for TMDL compliance.
Revised	TMDL for nutrients	Board of Selectmen			
7.2	Formation of Town Water Resource Management Committee	Board of Selectmen	Combined Stormwater Management Committee and Water and Sewer Committee	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			Meets six times in 2013.		
7.3	4 Raingardens with catch basin connectors 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 2013. Construction of 2 large raingarden BMPs occurred throughout August 2013. Systems were landscaped in October 2013. BMPs developed to limit pathogen pollution, TMDLs developed for pathogens in the Westport River - MassDEP, 2009. Final Pathogen TMDL for the Buzzards Bay Watershed. Massachusetts Department of Environmental Protection, ENSR International, and United States Environmental Protection Agency. http://www.mass.gov/dep/water/resources/buzzbay1.pdf	Completion of 6+ more BMPs to be constructed in the summer of 2014 with Can Dig It (contractor chosen by bid, WRWA, and Norfolk Ram Group.
Revised					

7a. Additions

7.4	The Buzzards Bay National Estuary Program has awarded a \$20,000 contract to Polaris Consultants, LLC to develop stormwater treatment plans for the Drift Road drainage system in the Town of Westport, MA.	Town Administrator, Highway Surveyor, Conservation Commission, WRWA	The goal of this project is to reduce stormwater-related pollutants from discharging into the East Branch of the Westport River.	The stormwater discharges to an area where the shellfish beds are closed after two-tenths of an inch of rain. Go to our Drift Road stormwater designs procurement page for more information about this project.	Research funding and implement BMPs designed by Polaris.
-----	--	--	---	--	---

7b. WLA Assessment

Part IV. Summary of Information Collected and Analyzed

The Westport Water Resources Management Committee established by the Board of Selectmen combined the Water & Sewer Committee, the Ponds Committee, the Stormwater Committee and the Estuaries Committee to work towards consensus on water issues affecting the Town to include drinking water, fresh water, stormwater, nitrogen management and infrastructure options. The Committee consists of nine members. One representative member from each of the five voting districts and one representative member from each of the following: Agricultural Committee, the Board of Health, the Highway Department and the Westport River Watershed Alliance. The members are Dick Barresi (Precinct A), Bill Burns (Precinct B), Bill Harkins (Precinct C), Tony Vieira (Precinct D), Maury May (Precinct E), Jay Tripp (AgCom), Jim Walsh (Board of Health), Chris Gonsalves (Highway) and Tom Schmitt (WRWA).

Topics and information discussed throughout the reporting period, the speakers and participants in our Town's environmental challenges which include:

- Claude Ledoux on historical review and submissions on agriculture, Mill Pond initiative and comprehensive environmental data;
- Laura Maul & Gerry Palano, with MA Dept. of Agricultural Resources on Agricultural Resources activities, Mill Pond initiative and comprehensive environmental data;
- Brad C. Chase and Mike Bednarski with MA Marine Fisheries on fish runs/ladders and nitrogen loads;
- Tara Martin, Conservation Commission on the town culvert project;
- David Rose, Bristol County Conservation District on farming and the environment;
- Linda Correia, Westport Consultant on Fall River water problems;
- Lenny Potter on septic and nitrogen issues in Westport;
- Dr. Brian Howes, SMAST on MEP report;
- Bernie Taber, NRCS on the Sam Tripp Brook project;
- Dave Janik, Coastal Zone Management on boating impacts;
- Dr. Ken Perez, retired US EPA, on Oyster production;
- Jane Linhares, Old Colony Planning Council on the Community Septic Program with the State;
- Selectman R. Michael Sullivan and David Sprogis on the Goosebury Island Causeway Study;
- Liz Lapointe, MA Chapter 90 funding; and
- George T. Ayoub, MA DOT Engineer.
- The Committee is proud to have spearheaded the Towns Title 5 Betterment Program, the Sam Tripp Brook initiative and stormwater remediation projects throughout Westport including filtration changes with Fall River's water supply.
- The Committee would like to thank Jay Tripp/Ag Com, Jim Walsh/Board of Health, Tom Schmitt/WRWA, and Bart Henderson/UMASS Law School for their directives and participation in cleaning Westport waters.

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, 2013

through March 31, 2014)

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

Phase II					Draft in Adopted	
Regulatory Mechanism Status (indicate with "X")					Review	
▪ Illicit Discharge Detection & Elimination	In Place Prior to Authorities	Reviewing Existing Drafted				
▪ Erosion & Sediment Control			x		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	(%)	75
Estimated or actual number of outfalls	(#)	777
System-Wide mapping complete (complete storm sewer infrastructure)	(%)	25
Mapping method(s)		
▪ Paper/Mylar	(%)	
▪ CADD	(%)	
▪ GIS	(%)	75
Outfalls inspected/screened **	(# or %)	11%
Outfalls inspected/screened (Since beginning of permit coverage)	(# or %)	25%
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	(%)	100
Site inspections (for proper BMP installation & operation) completed **	(# or %)	9
BMP maintenance required through covenants, escrow, deed restrictions, etc.	(y/n)	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.)	90%
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 vacor **	(%)		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 **	% NaCl % CaCl ₂ % MgCl ₂ % CMA % Kac % KCl % Sand	50% NaCl 50% Sand
(also identify chemicals and ratios used in specific areas, e.g., water supply protection areas)		
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/in mi. or %)	-700 TONS
Estimated net reduction or increase in typical year sand application rate **	(±lbs/in 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	