

Municipality/Organization: Westport
EPA NPDES Permit Number: MA041174
MassDEP Transmittal Number: W-042447
Annual Report Number Year 12
& Reporting Period: April 1, 2014 – March 31, 2015

NPDES PII Small MS4 General Permit
Annual Report
(Due: May 1, 2015)

Part I. General Information

Contact Person: Craig J. Dwyer CJO **Title:** Board of Selectmen Chair

Board of Selectmen printed:

Board of Selectmen signature:

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R. Michael Sullivan

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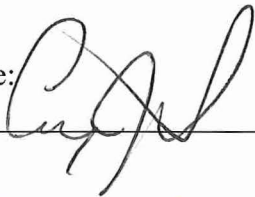
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Certification:

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.

Contact Person Signature:



Printed Name:

CRAIG J. DUTRA

Title:

BOARD OF SELECTMEN CHAIRMAN

Date:

4-21-15

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.

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	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
Revised					
1.2	Development of Storm Drain/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
Revised					
1.3	Public outreach/education on 319s. Storm water	Board of Selectmen	Implement 319s funded designs for BMPs at municipal properties	WRWA newsletter promoting BMPs and work done with 319s funds to treat storm water at the Westport Middle School/Library complex.	Project started Oct 2011 – construction of BMP (rain gardens July - October 2013) 319 reports to DEP by Norfolk Ram Group
Revised	remediation BMPS at municipal properties				
1.4	“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
Revised					
1.5	Informational Flier on pet waste prevention	WRWA	http://westportwatershed.org/2013/12/the-shocking-truth-about-your-dogs-poop/	WRWA produced informational fliers about water resources available at Town buildings mailed to all Town residents	Continue to promote public awareness of water resource protection
1.6	Storm water curriculum for grades 6 & high school	School Department	Implement curriculum for 2013- 2014 school year	WRWA authored curriculum, implemented in school department	Continue to implement curriculum

1a. Additions

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2. Public Involvement and Participation

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
2.1	Shoreline cleanups	Highway Surveyor	April 26, 2014 cleanup Sept. 20, 2014 cleanup	With WRWA; support two annual clean-ups; record number of volunteers and distance of shoreline cleaned.	Complete similar efforts annually
Revised					
2.2	Storm drain 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, tires, televisions)	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	CSMP program approved at Nov. 13, 2012 Town Meeting. In January 2013 funds were received by WPAT. To date 13 systems have been completed and 1 system is 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/bettermentapplication-revd1-9-13.pdf
Revised			MA DEP to offer loans to repair failed septic systems		13 systems were completed. The state then moved the program to the state revolving fund. Since then 3 have been completed and 1 is under contract
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	Illicit discharge prohibition	Water Resources Management Committee	Warrant article for May Town Meeting 2016	Redrafting Illicit Discharge Detection and Elimination Bylaw for May 2016 Town Meeting.	Continued revisions to draft bylaw.
Revised					
3.2	Bacteria Source tracking support for	WRWA MA DEP	Bacteria source tracking in Westport	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	MA DEP		River and 303d listed tributaries.		
3.3	Nutrient Loading study with UMASS coastal Systems Program	BOS CPC WRMC	2 Year Study to Determine Nitrogen Loads in the Bread and Cheese Brook sub watershed	This sub watershed was identified in the Westport MA Estuaries report as contributing the highest Nitrogen loads identified in the Nitrogen TMDL	Town committees will review results and discuss management options

3a. Additions

4. Construction Site Storm Water 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	Planning Board Subdivision Regulation	Planning Board	Review of Plans	The Planning Board is reviewing a number of projects that were being constructed to ensure that the storm water 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
Revised	Site Plan Review				
4.2	Planning Board Subdivision Regulation	Planning Board	Site plan zoning and Low Impact Development Bylaw	Rules and regulations to be updated. There were no changes to the Construction Site Storm water Runoff Control regulations. The Planning Board is in the early stages of reviewing the Subdivision Regulations.	Reviews ongoing
Revised	Site Plan Review		Accepted at 2011 Town Meeting		
4.3	Planning Board Zoning Regulation amendments	Planning Board	District zoning Common driveways Flexible frontage	Originally approved on May 2012 Town Meeting. Rules and regulations revised at 2014 town meeting.	Reviews ongoing
Revised					
4.4	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
Revised					

4a. Additions

5. Post-Construction Storm Water 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	Planning Board Subdivision Regulation	Planning Board	Regulation change and LID bylaw established	All development plans are being reviewed in accordance with low impact development guidelines.	Town planner working to integrate Regulations approved. Regulations ongoing
Revised					
5.2	Storm water Draft Regulations for sites less than 5,000 sq. feet	Board of Health	Enforce regulations	Review regulations annually – Board of Health requires that all plans submitted for review include reference to storm water management plans	Review and enforce regulations for planned activities
Revised	2014				
5.3	Planning Board Zoning Regulation - amendments	Planning Board	District zoning Common driveways Flexible frontage	Rules and regulations updated. Engineering consultant hired to oversee construction	Reviews ongoing
Revised			Inspections to ensure conformance with approved plans		

5a. Additions

5.4a	Projects Reviewed for Storm water Compliance Between April 2013 and March 31, 2014	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 Lot Subdivision) 12-008C - Subdivision - Lorraine's Way (2 Lot Subdivision) 13-001C - Subdivision - Lily'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	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	
Revised					
6.2	Highway Dept. Permit Filing	Highway Surveyor	Work with Con Com to develop order of conditions	Ongoing –	ongoing
Revised					
6.3	Street Sweeping	Highway Surveyor	Sweep streets 2 times per year	ongoing	ongoing
Revised					
6.4	Catch basin cleaning	Highway Surveyor	Clean over 200 catch basins 2 times per year	ongoing	ongoing
Revised					
6.5	O&M for town owned structural BMPs	Highway Surveyor	Implement O&M for 319 funded municipal BMPs		ongoing
Revised					
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. Board of Health attends yearly training by DEP on septic illicit discharge and other related topics
Revised					

6a. Additions

6.7	MS4 Annual Report	Board of Selectmen Highway Surveyor	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 secured. Training throughout 2015

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	Water Resource Management 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 Storm water Management Committee and Water and Sewer Committee	Work with Town Boards to implement an adaptive management strategy for TMDL compliance.	Work with Town Boards to implement an adaptive management strategy for TMDL compliance.
Revised			Met monthly in 2014.		
7.3	Nutrient Loading study with UMASS coastal Systems Program	BOS CPC WRMC	2 Year Study to Determine Nitrogen Loads in the Bread and Cheese Brook sub watershed	This sub watershed was identified in the Westport MA Estuaries report as contributing the highest Nitrogen loads identified in the Nitrogen TMDL	Town committees to review results results and discuss management options

7a. Additions

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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 Storm water Committee and the Estuaries Committee to work towards consensus on water issues affecting the Town to include drinking water, fresh water, storm water, 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 Town's Title 5 Betterment Program, the Sam Tripp Brook initiative and storm water 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, 2014 through March 31, 2015)

Programmatic

	(Preferred Units)	Response
Storm Water 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
Storm Water 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	In Place Prior to Authorities	Reviewing Existing Drafted	Review	Draft in Adopted	
Regulatory Mechanism Status (indicate with "X")					
▪ Illicit Discharge Detection & Elimination	x				
▪ Erosion & Sediment Control		x	x	x	

▪ Post-Development Storm Water Management			x	x	
Accompanying Regulation Status (indicate with "X")					
▪ Illicit Discharge Detection & Elimination		x		x	
▪ Erosion & Sediment Control		x		x	
▪ Post-Development Storm Water 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 Storm Water Management

Estimated percentage of development/redevelopment projects adequately regulated for post-construction Storm Water 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	(#)	1
• 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	(#)	1 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/lb mi. or %)	-700 TONS
Estimated net reduction or increase in typical year sand application rate **	(±lbs/lb 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	