Municipality/Organization:	Town of Weymouth
EPA NPDES Permit Number:	MA041070
MaDEP Transmittal Number:	W-035571
Annual Report Number	Io 12: April 1 2014 - March 31 2015

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person:	Andrew P. (Chip) Fontaine, P.E.	Title:	Town Engineer
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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:	Susan	m. Kaer
Printed Name:	Susan M. Kay) ()
Title:	Mayor	
Date:	4/29/15	

Part II. Self-Assessment

In 2001, the Town of Weymouth ("Town") entered into a \$200,000 contract with engineering consultants BETA Group, Inc. ("BETA"), to develop a watershed master plan for Whitman's Pond which, in separate sections, is both a recreational resource and part of the Town's drinking water supply. That project included analysis of stormwater impacts and recommendations to mitigate stormwater pollution. Half of the funding for that project was provided by the Massachusetts (MA) Department of Environmental Management ("DEM").

In 2002, the Town fully funded a \$330,000 contract with BETA to create the first draft of the Town's Storm Water Management Plan (SWMP). A major component of both of these projects was to clean all town catch basins and inspect the entire drain system. The inspection data was used to create town-wide drain system mapping and data management in a Geographic Information System (GIS).

Although these projects represent a major financial commitment by the Town, as well as a significant technical data collection and analysis effort, these accomplishments are in addition to pre-existing Town stormwater management activities (nowadays referred to as Best Management Practices or "BMPs"). Some of these BMPs have been performed by the Town itself while others are being performed by grassroots organizations. These existing BMPs are identified in Part III of this report.

In July of 2004, Town representatives involved with development of the SWMP met with USEPA representatives to review our program thus far. SWMP development efforts have since included work on the items identified in the EPA letter as identified below.

In 2008, the Mayor and Town Council approved two new ordinances relative to stormwater management: the Stormwater Management Ordinance and the Illicit Connection/Discharge Ordinance. These ordinances establish requirements per the NPDES General Permit for Storm Water Discharges from Small MS4s, including procedures to apply for town permitting and penalties for violations.

For 2014 the Town again had two very productive household hazardous waste collection days. Some of the items collected were aerosols, various paints, flammable liquids, pesticides, mercury containing equipment and antifreeze. Quantities of the collected materials can be found in section 1-4. Although difficult to quantify, benefits to the quality of stormwater will be realized in the future.

During the reporting period the Town hired a contractor to remove and replace two catch basins on Raymond Street to improve water quality. The existing catch basins discharge to the Back River and had no sumps. The new catch basins have 4 foot sumps.

Notice of Intent (NOI)

The Town has obtained plans of Massachusetts Highway Department (MHD) drainage in Weymouth in the past and will continue to do so. MHD has completed mapping the locations of all of their outfalls as part of their SWMP effort and we have received a GIS file of those locations. The Town had already provided Mass. Highway's consultant engineer (ENSR) with Town of Weymouth GIS data layers showing Town drainage along MHD corridors for use in developing MHD's SWMP. We will continue to coordinate storm water management with MHD, including obtaining updated drain system/outfall mapping and providing them with our GIS drain system layer when they have a need for it.

Our SWMP prioritizes identification and removal/reduction of bacteria levels in storm water, particularly where pathogens are identified as impacting certain receiving waters. Our SWMP does identify the water bodies that are identified as Category 5 (impaired/threatened, requiring a TMDL) in the MA Integrated List of Waters [Clean Water Act Sections 303(d) and 305(b)] although MA DEP has yet to develop final TMDLs for these water bodies. A Draft Pathogen TMDL Report for the Boston Harbor Watershed (excluding the Neponset River Sub-Basin), which includes the Weymouth and Weir Rivers Sub-basin which encompasses most of the Town of Weymouth, is posted on the MA DEP website.

Updates to previous submitted information:

Part I.B.2(e) In our Year 1 annual report ('03 – '04), the Town reported to have determined that we meet Criteria D from Appendix A (EPA Endangered Species Act) of the MA NPDES General Permit based on information provided by BETA, our SWMP consultant. It has now come to our attention that we actually meet Criteria A based on the fact that there are no endangered or threatened species or critical habitat in proximity to our MS4 or points where authorized discharges reach the receiving waters.

The Town 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	BMP Description	Responsible	Measurable Goal(s)	Progress on Goal(s) –	Planned Activities –
ID#		Dept./Person		Permit Year 11	Permit Year 12
		Name		(Reliance on non-municipal partners indicated, if any)	
1-1	Classroom Education	School Dept.	High school	Stormwater pollution awareness and management issues	This classroom training will
			Environmental Science	have been included in this class for the last 21+ years.	continue.
			class will include	The major topics covered are: watersheds and land uses,	
			stormwater management	impact of impervious surface on I/R ratios, types of non	
			issues.	point source pollution, storm water pollutants, storm	
Revised				water infrastructure, storm water management and BMPs,	
				impact of storm water on surface waters, sanitary sewers,	
				sewage treatment and septic tanks, eutrophication and	
				several labs dealing with testing storm water quality and	
				the quality of the receiving surface waters. Weymouth's	
				5 th graders also participated in the "Water All Around	
				You" educational program created by Greenscapes and	
				NSRWA, which included classroom presentations, hands-	
				on activities and a tour of the water treatment plant.	
1-2	Flyer and Brochure	DPW	Obtain stormwater-related	The town continued its partnership with the Greenscapes	Relevant flyers will continue
	Distribution		flyers and distribute them	program and the North and South Rivers Watershed	to be developed or obtained
			to the public	Association (NSRWA), other environmental agencies,	and will be distributed to the
Revised				and various South Shore communities. Recycling flyers	public.
				were distributed in water & sewer bills. Also made	
				available to all residents by placement at various public	
				buildings was the Greenscapes Guide (see	
				http://www.greenscapes.org/). The DPW also has	
				stormwater flyers and other environmental information	
1.0		DDW		available to the public at several locations in the building.	
1-3	Using the Media	DPW	Once a year, do a local	Household hazardous waste day, which is held in fall and	This practice will continue
			cable I V public service	spring, was announced on cable 1 V, emailed to members	with increasing focus on
			announcement. I wice a	of a town email list, posted on the South Shore Recycling	specific stormwater
			year do a newspaper press	Cooperative website, and published in the newspaper. A	management issues.
			release/article.	I own-wide Community Clean Up Day was also	
				advertised in the newspaper. The local cable TV station	
				was provided with the EPA educational videos Alter the	
				Storini, Building Oreen: A Success Story III Dhiladalphia" "Daduce Dupoff: Claw it Down Spread it	
				Philadelphia, Reduce Runon. Slow it Down, Splead it	
				obut Dunoff in Washington DC" to be run paris disculta	
Darissi				based on available programming space	
Revised				based on available programming space.	

1.4	TT 1 XX7	DDW	G 1 (H 1 1)		TD1 (* *11
1-4	Hazardous Waste	DPW	Conduct Household	Household Hazardous Waste Collection Days are	These practices will
	Management		Hazardous Waste	conducted in the spring and in the fall and are advertised	continue.
			Collection Day twice a	in the newspaper, posted on the town website, and sent to	
			year. Will be advertised in	all subscribers of the town email list. This year	
			newspaper. Quantity of	HHWCD's were held on April 5 th and October 25 th , 2014.	
			waste collected will be	The town hires a contractor who specializes in hazardous	
			tracked.	material clean up and collection to operate the collection	
				days and dispose of all of the collected materials. A total	
				of 401 cars (residents) participated. Some of the	
				quantities collected at the two days are: 11-55 Gal. drums	
				aerosols, 11-CY boxes of various paints, 17-55 Gal.	
				drums of flammable liquids, 3-55 Gal. drums acidic	
				corrosive liquid, 5-55 Gal. drums basic corrosive liquid,	
				4-55 Gal. drums oxidizing solid, 2-55 Gal. drums solid	
				pesticides, 6-5 Gal. drums solid pesticides, 10-55 Gal.	
				drums antifreeze, 2-5 Gal. drum mercury and 2-5 Gal.	
				drums asbestos. Additionally, during the rest of the year,	
				residents were allowed to drop off the following	
				hazardous materials at the DPW which were then picked	
				up and disposed of by qualified contractors: flammable	
				and combustible paint (total of 26-CY boxes) latex paint	
				(3-CY boxes) lithium batteries cadmium batteries TVs	
				computer monitors refrigerators air conditioners	
				microwaye ovens assorted other electronic items tires	
				and propage tanks. Records of quantities of hazardous	
				materials collected are kent on file at the DPW	
				materials conceled are kept on me at the Dr W.	
Revised					
1		1			

2. Public Involvement and Participation

BMP	BMP Description	Responsible	Measurable Goal(s)	Progress on Goal(s) –	Planned Activities –
ID #		Dept./Person		Permit Year 11	Permit Year 12
		Name		(Reliance on non-municipal partners indicated, if	
				any)	
2-1	Adopt-A-	DPW	All town water bodies will	The Whitman's Pond Association, the Herring Run	Will continue to provide support
	Stream/Drain		be adopted. Track amount	Warden and the Isaac Walton Fishing Association	to these associations. Amount of
	Program		of trash removed.	continue to "adopt" Whitman's Pond, the Herring	trash removed will be tracked.
Revised			Continue supporting the	Run and Old Swamp River, respectively. The Fore	
			various associations that	River Watershed Association has adopted the Fore	
			have adopted water bodies	River and the Back River Watershed Association has	
			and continue to track	adopted the Back River. The DPW provides support	
			amount of trash removed.	to these associations, when requested, in the form of	
				manpower and trucks for clean-up events. The	
				amount/volume of collected miscellaneous debris,	
				trash bags and chipped brush is tracked.	
2-2	Pond & Stream	DPW	Coordinate and track	Cleanup days were held for Whitman's Pond, the	With assistance from the DPW,
	Cleanup &		cleanup activities.	Herring Run, Old Swamp River, the Back River and	these cleanups will continue.
	Monitoring			the Fore River. The Whitman's Pond Association,	Additional pond and stream
Revised				the Herring Run Warden and the Back River and	cleanups will also be arranged as
				Fore River Watershed Associations are non-	much as possible.
				municipal partners.	
2-3	Stencil Storm	DPW	Stencil 300 or more catch	New "No Dumping – Drains to Pond" and "No	Additional catch basins will be
	Drains		basins each year.	Dumping – Drains to River" stencils were purchased	stenciled.
Revised				by the DPW in 2011. The Whitman's Pond	
				Association and Weymouth Herring Run Committee	
				assist the DPW with stenciling.	
2-5	Community	DPW	Create a Stormwater	The town continued to maintain a Stormwater web	Continue to update the SWMP
	Hotlline/Weblink		Hotline/Weblink. Track #	page with a hotline/weblink. It is part of the DPW	webpage on the town web site.
			of calls and remedied	web page on the town website (see	Track calls and problem
			problems.	http://www.weymouth.ma.us/). There is also a link	remedies.
				to contact the Mayor or DPW for emergencies and	
				there is a Mayor's Hotline (800-297-5733). There is	
				also a town emailing list which residents can sign up	
				for to be notified of town activities, including	
				cleanups. The Greenscapes Newsletter is also	
Revised				accessible from the town DPW web page and	
1	1			contains a link to the Greenscapes website.	

2-6	Public Workshops	DPW	Develop and advertise public workshops to disseminate information to and receive input from the public	The DPW Water & Sewer Division continues to be a partner in Greenscapes Massachusetts and through that partnership, has sponsored several free workshops relative to stormwater management. For more information see the Greenscapes	Public workshops, particularly those put on by Greenscapes Massachusetts, will continue to be planned and advertised with a frequency goal of at least one per
Revised				Massachusetts website and the past issues of the Greenscapes E-Newsletter that described the workshops.	year.
2-8	Pet Waste Collection	Town Council	Create and enforce an ordinance. Track # of signs posted.	The town has an ordinance that requires people to clean up after their dog (Ordinance 6-801). The town also continues to provide pet waste warning signs and "Mutt Mitt" dispensers at various sites in town where dog walking is common to encourage	Continued placement of pet waste warning signs and Mutt Mitt dispensers as new desirable locations are identified. Continued stocking of bags in
Revised		Town Council & DPW		dog owners to clean up their pet's waste. Mutt Mitt dispensers now exist at O'Sullivan, Negus and Weston Parks, Humphrey Field, the School House Rd. soccer fields and Webb State Park. Local athletic clubs provide bags at the dispensers.	the dispensers.

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 11 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 12
3-1 Revised	Inspect and sample all town discharges	DPW	Continue program to locate, sample and test.	All outfalls were inspected and dry weather flows sampled and tested in Year 1. We continue to obtain and test additional samples when requested by the Health Dept. or when any	When identified, suspect discharges will be sampled and tested.
3-2 Revised	System mapping development	DPW	Complete system map. Add soils and land use maps.	potential surface water pollution is suspected. Townwide GIS drain system mapping was completed in 2004 and we continue to publish a printed atlas set of drain system maps. Soil and land use exists as GIS layers. The DPW	The GIS drain system mapping will continue to be kept up to date.
Te vised				Engineering Division and GIS staff update the GIS drain layer annually as the system is modified, expanded or as discrepancies are discovered.	
3-3	Illegal dumping enforcement/education	DPW	Flyers; track and prosecute illegal dumping.	Existing ordinances prohibit discharge of untreated waste, garbage, etc. Signs prohibiting dumping of waste are posted at various locations	Will continue to post signs in areas known for illegal dumping. Will continue to set up cameras and
Revised		DPW, Health and Police Depts.		throughout town. A container for residents to dispose of their motor oil exists next to the DPW building. "No dumping" signs exist at yard waste drop off locations, town beaches and at the entrance to the capped Wharf St. landfill. Video and still cameras have also been installed in the Weymouth Landing and East Weymouth parking lots, O'Sullivan Playground, and the DPW. Violators have been identified and prosecuted.	prosecute offenders. Will continue to work on creating and distributing flyers.
3-4	Septic system controls	Health Dept.	Track #, location and inspection of septic systems.	In 2014, 9 septic system sites were switched to the town sewer system, leaving 424 septic systems currently still in use. Town Ordinance 8- 201 requires properties with septic systems to connect to the town sanitary sewer system when	The locations of septic systems will continue to be tracked and inspection records will be obtained whenever they are available. Continue converting properties on septic
Revised		Health Dept. & DPW		certain conditions exist.	systems to sewer.

3-5	Create illicit discharge	DPW	Eliminate illicit	Ordinance 8-702 (Illicit Connection/Discharge	These ordinances will be used to
	ordinance		discharges to the drain	Ordinance) was added to the town ordinances 7	control illicit discharges.
			system.	years ago. Existing ordinances already	
				prohibited discharge of untreated waste,	
				garbage, etc. (Ordinances 6-901, 6-1214, 7-401,	
Revised		DPW, Town		11-101 and 12-103).	
		Council			

4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 11 (Reliance on non-municipal partners indicated if any)	Planned Activities – Permit Year 12
4-1	Ordinance review and update	Town Council & Planning Dept.	Develop erosion and sediment control ordinance/regulation.	Ordinance 8-701 (Stormwater Management Ordinance) was added to the town ordinances 7 years ago to control erosion and sedimentation at	Together with assistance from the Conservation Administrator, Building Inspector, and Planning Dept., this ordinance will be used to control
Revised		DPW, Town Council		construction sites.	erosion and sedimentation at construction sites.
4-2	Construction inspection	DPW & Building Dept.	Track inadequate sites/plans and # of non-compliant permit.	The Building, Public Works and Conservation Depts. inspected various	These responsible departments will continue to perform construction
Revised		DPW, Conservation, Planning & Building Depts.		construction projects as required under existing procedures and addressed stormwater related issues where noted. Under the Stormwater Management Ordinance, as well as existing permit procedures, stormwater quality issues will be monitored and addressed through the construction inspection process.	inspection and will continue to monitor and address stormwater quality issues.

4a. Additions

5. Post-Construction Stormwater Management in New Development and Redevelopment

BMP ID #	BMP Description	Responsible Dept./Person	Measurable Goal(s)	Progress on Goal(s) – Permit Year 11	Planned Activities – Permit Year 12
		Name		(Reliance on non-municipal partners indicated, if any)	
5-1	Regulations for post- construction runoff	Town Council/DPW	Develop public works construction rules and regulations, including storm drain connection regulation.	The DPW storm drain connection regulation was utilized for permit issuance under the Stormwater Management Ordinance when	As applicable, projects will be reviewed to ensure compliance with the Stormwater Management Ordinance.
Revised		DPW		required.	
5-2	BMP inspection and maintenance	DPW	Inspect structural BMPs once a year; document problems.	Drainage structures were inspected where deemed necessary. The DPW	Continue identification of structural BMPs in the Drain GIS and the BMP
Revised				structural BMP tracking spreadsheet is used to identify structure characteristics and track inspections.	tracking spreadsheet. Continue inspecting structural BMPs.

5a. Additions

6.	Pollution	Prevention and	Good	Housekeep	ing in I	Municipal	Operations
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Name Fermit fear 11 (Reliance on non-municipal partners indicated,	ernnt fear 12
if any)	
6-1Catch basin cleaningDPWDevelop program, collect data,The DPW is currently utilizing 1 vacuumWe expl	e expect a much greater
program refine program. truck and 1 clamshell to clean catch basins number	imber of basins to be
throughout the town for most of the year, as cleaned	eaned this year as a result
cleaned by DPW staff and contractors hired by license	censed staff and our
the DPW. Catch basins are prioritized for expect/	pectation of hiring a
cleaning based on the greater sensitivity of contract	ontractor to supplement in-
areas such as the Great Pond and Whitman's house r	ouse manpower.
Pond watersheds.	11 1 0
6-2 Street sweeping DPW Sweep all roads annually, track All roads were swept. Street sweepings Sweep	weep all roads. Continue to
Revised were stored at the DPW, 120 Winter Street.	ick quantity of sweepings.
DPW swept approximately 3,300 CY of	
material from Weymouth's roads during the	
reporting period.	
6-3 Pipe inspections DPW Inspect drain lines on as-needed Numerous drain lines were inspected. At Continu	ontinue inspections as
Revised own pipe video camera. However, more often	cucu.
a contractor, such as NEPCCo, is hired to	
perform this work.	
6-4 Pipe cleaning DPW Clean and flush drain lines as Numerous drain lines were cleaned out by Continue	ontinue to clean pipes and
Revised Directed drain and drain and drain and drain and aloon inspections, this was done at times by DBW	ainage ditches as needed.
cleaning NCMCP drainage ditches as needed staff with DPW equipment but more often a	
contractor was hired to perform this work,	
particularly lines with significant root growth	
in them. Norfolk County Mosquito Control	
District (NCMCD) cleared 23 culverts and	
6-5 New pipe & structural DPW Replace drain pipes, catch basins Repairs to the town stormwater collection Drain stormwater	rain structures will be
installations and other drain structures as system were performed as needed. Town replace	placed or repaired where
needed. contracts administered by the DPW replaced 2 require	quired and as funding
catch basins with new deep sump catch basins. allows.	lows.
Revised	

6a. Additions

6-6	Employee Training	DPW/ Planning	Develop and implement employee SWMP training program.	Construction inspectors have received SWMP training.	SWMP training will continue as needed.
Revised					
6-7	Spill Containment	DPW/Fire	Implement structural components and training to address spill containment at the DPW	In 2009 the Town received an oil spill response trailer from the MA DEP for use by Weymouth emergency personnel in the event of an oil spill along Weymouth's coastline. Town fire apparatus carry spill containment pads and socks and have additional spill control supplies at stations. In addition to action by town departments and in accordance with DEP regulations, once the responsible party is identified they are directed to immediately contact a qualified hazardous material spill cleanup company to take over the containment	Additional spill containment equipment, training and procedures will be implemented at the DPW as required. DPW will continue to coordinate with the Fire Dept. on their spill containment procedures for spills at any location in town.
Revised				and cleanup. A SPCC Plan was developed for the DPW facility at 120 Winter Street and forwarded to the USEPA Region 1 SPCC Compliance	

7. BMPs for Meeting Total Maximum Daily Load (TMDL) Waste Load Allocations (WLA) <<i f applicable>>

BMP ID #	BMP Description	Responsible Dept/Person	Measurable Goal(s)	Progress on Goal(s) – Permit Year 11	Planned Activities – Permit Year 12
ID "		Name		(Reliance on non-municipal partners indicated,	
				if any)	
1-1	Classroom Education	School Dept.	High school Environmental Science class will include stormwater management issues.	Stormwater pollution awareness and management issues have been included in this class for the last 21+ years. The major topics covered are: watersheds and land uses, impact of impervious surface on I/R ratios, types of	This classroom training will continue.
Revised				non point source pollution, storm water pollutants, storm water infrastructure, storm water management and BMPs, impact of storm water on surface waters, sanitary sewers, sewage treatment and septic tanks, eutrophication and several labs dealing with testing storm water quality and the quality of the receiving surface waters.	
2-2	Pond & Stream Cleanup & Monitoring	DPW	Coordinate and track cleanup activities.	Cleanup days were held for Whitman's Pond, the Herring Run, Old Swamp River, the Back	With assistance from the DPW, these cleanups will continue. Additional
Revised				River and the Fore River. The Whitman's Pond Association, the Herring Run Warden and the Back River and Fore River Watershed Associations are non-municipal partners.	pond and stream cleanups will also be arranged as much as possible.
2-3	Stencil Storm Drains	DPW	Stencil 300 or more catch basins each year.	New "No Dumping – Drains to Pond" and "No Dumping – Drains to River" stencils were	Additional catch basins will be stenciled.
Revised				purchased by the DPW in 2011. The Whitman's Pond Association and Weymouth Herring Run Committee assist the DPW with stenciling.	
3-1	Inspect and sample all town discharges	DPW	Continue program to locate, sample and test.	All outfalls were inspected and dry weather flows sampled and tested in Year 1. We	When identified, suspect discharges will be sampled and tested.
Revised				continue to obtain and test additional samples when requested by the Health Dept. or when any potential surface water pollution is suspected.	

3-3	Illegal dumping	DPW	Flyers; track and prosecute	Existing ordinances prohibit discharge of	Will continue to post signs in areas
	enforcement/education		illegal dumping.	untreated waste, garbage, etc. Signs	known for illegal dumping. Will
Revised		DPW, Health		prohibiting dumping of waste are posted	continue to set up cameras and
		and Police		at various locations throughout town. A	prosecute offenders. Will continue to
		Depts.		container for residents to dispose of their	work on creating and distributing
		_		motor oil exists next to the DPW	flyers.
				building. "No dumping" signs exist at	
				yard waste drop off locations, town	
				beaches and at the entrance to the capped	
				Wharf St. landfill. Video and still cameras	
				have also been installed in the Weymouth	
				Landing and East Weymouth parking lots,	
				O'Sullivan Playground, and the DPW.	
				Violators have been identified and	
				prosecuted.	

7a. Additions

7b. WLA Assessment

The MA DEP has not yet developed final TMDLs for any of Weymouth's water bodies that are identified as Category 5 (impaired/threatened, requiring a TMDL) in the MA Integrated List of Waters [Clean Water Act Sections 303(d) and 305(b)]. However, a Draft Pathogen TMDL for the Boston Harbor Watershed, which includes the Weymouth and Weir Rivers Sub-basin which in turn encompasses most of the Town of Weymouth, is now posted on the MA DEP website.

Continued cleaning of town catch basins provides a tremendous benefit by removing waste and pollutants from the stormwater that then flows into water resources. Sweeping all town streets likewise prevents the sand, dirt and road debris that carries pollutants from entering the drain system and eventually polluting the environment. A record keeping procedure was initiated in December '06 to track what catch basins are cleaned and note any structural deficiencies, which will improve catch basin maintenance and functionality.

The Town will continue to utilize, and update when needed, the Whitman's Pond watershed master plan and the SWMP, both developed by BETA. Although numerous BMPs are currently in use and more will be implemented per the recommendations in the BETA reports, a detailed Waste Load Allocation Assessment has not yet been done. The Town will continue to work towards performing this assessment.

Part IV. Summary of Information Collected and Analyzed

As the GIS-based Drain Atlas maps are used by various departments, we are constantly updating and correcting the existing data. Each year, updates are accomplished by DPW and GIS staff. This work will continue to enhance the accuracy and completeness of this data. This data includes identification and database data management for all town structural BMPs.

The significant quantities of hazardous waste and recycled materials collected during town Household Hazardous Waste Days, as well as those received at and/or collected by the DPW throughout the year, (as described in Section III.1-4) confirms that the town is providing an important service to residents who are very willing to properly dispose of these materials when a means to do so is available. The impact on storm water quality and the environment in general from these programs, as well as the various water body adoptions, clean-up days, Mutt Mitt dispensers, and conversions from septic system to sewer, is difficult to quantify, but an undeniable benefit.

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
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)		

Education, Involvement, and Training

Estimated number of property owners reached by education program(s)	(# or %)
Stormwater management committee established	(y/n)
Stream teams established or supported	(# or y/n)
Shoreline clean-up participation or quantity of shoreline miles cleaned **	(y/n or mi.)
Shoreline cleaned since beginning of permit coverage	(mi.)
Household Hazardous Waste Collection Days	
days sponsored **	(#)
 community participation ** 	(# or %)
 material collected ** 	(tons or gal)
School curricula implemented	(y/n)

Legal/Regulatory

	In Place	Reviewing		Draft	
	Prior to	Existing		in	
	Phase II	Authorities	Drafted	Review	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

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

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	
Site inspections (for proper BMP installation & operation) completed **	(# or %)
BMP maintenance required through covenants, escrow, deed restrictions, etc.	(y/n)
Low-impact development (LID) practices permitted and encouraged	(y/n)

Operations and Maintenance

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

Basin	Cleaning Costs		
•	Annual budget/expenditure (labor & equipment)**	(\$)	
•	Hourly or per basin contract rate **	(\$/hr or \$	
		per basin)	
٠	Disposal cost**	(\$)	

Cleaning Equipment		
• Clam shell truck(s) owned/leased	(#)	
• Vacuum truck(s) owned/leased	(#)	
Vacuum trucks specified in contracts	(y/n)	
% Structures cleaned with clam shells **	(%)	
% Structures cleaned with vactor **	(%)	

	(Preferred Units) Response
Average frequency of street sweeping (non-commercial/non-arterial streets) **	(times/yr)
Average frequency of street sweeping (commercial/arterial or other critical streets) **	(times/yr)
Qty. of sand/debris collected by sweeping **	(lbs. or tons)
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.) **	(location)
Annual Sweeping Costs	
 Annual budget/expenditure (labor & equipment)** 	(\$)
Hourly or lane mile contract rate **	(\$/hr. or
	ln mi.)
 Disposal cost** 	(\$)
Sweeping Equipment	
Rotary brush street sweepers owned/leased	(#)
Vacuum street sweepers owned/leased	(#)
Vacuum street sweepers specified in contracts	(y/n)
% Roads swept with rotary brush sweepers **	%
% 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 %)	
 Herbicides 	(lbs. or %)	
 Pesticides 	(lbs. or %)	
Integrated Pest Management (IPM) Practices Implemented	(y/n)	

	(Preferred Units)	Response
Average Ratio of Anti-/De-Icing products used **	% NaCl	
	% CaCl ₂	
(also identify chemicals and ratios used in specific areas, e.g., water supply protection areas)	% MgCl ₂	
	% CMA	
	% Kac	
	% KC1	
	% Sand	
Pre-wetting techniques utilized **	(y/n or %)	
Manual control spreaders used **	(y/n or %)	
Zero-velocity spreaders used **	(y/n or %)	
Estimated net reduction or increase in typical year salt/chemical application rate	(±lbs/ln mi.	
	or %)	
Estimated net reduction or increase in typical year sand application rate **	(±lbs/ln mi.	
	or %)	
% of salt/chemical pile(s) covered in storage shed(s)	(%)	
Storage shed(s) in design or under construction	(y/n or #)	
100% of salt/chemical pile(s) covered in storage shed(s) by May 2008	(y/n)	

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	
Treatment units induce infiltration within 500-feet of a wellhead protection area	# or y/n	