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Municipality/Organization: Town of Milford, MA

Permit Number: MAR041135

Annual Report Number
& Reporting Period: No. 12: March 14-March 15

NPDES Phase II Small MS4 General Permit Annual Report

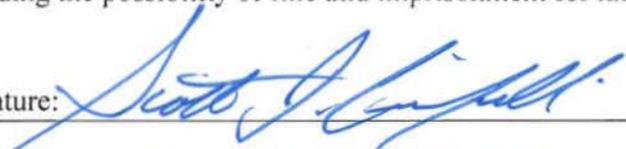
Part I. General Information

Contact Person: Scott Crisafulli Title: Highway Surveyor

Telephone #: 508-473-1274 Email: Highway@MilfordMa.com

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: Scott Crisafulli

Title: Highway Surveyor

Date: 4-27-15

Part II. Self-Assessment

The Town of Milford has completed the required self-assessment and has determined that our municipality is in compliance with the permit conditions. Discussions of the progress on BMPs toward the measurable goals, as well as quantification of some of the programs, are included in the following sections. This Annual Report is based on the current General Permit being administratively continued, as it expired on May 1, 2008 and a new General Permit had not been issued at the time of preparation of this report. Any reference to planned activities in the coming year (“Year 13”) is based on the assumption that the Town of Milford will continue to conduct activities to comply with the current Permit conditions until a new Permit takes effect. If a new Permit takes effect within the coming year (May 1, 2015 – May 1, 2016), the Town of Milford may revise the planned activities for “Year 13”, in accordance with the new Permit. While Permit Year 12 (PY12) covers the period from May 1, 2014 to May 1, 2015, the data in this report may include compliance activities performed by the Town before May 1, 2014 and which were not reported on in the previous Annual Report. In addition, as noted herein, some data is reported by calendar year for 2014.

Public Education and Outreach

Milford has met the goals of the BMPs in this category and will continue to provide public education in the form of presentations, expansion of collection of stormwater materials in the local library and other Town venues (schools, Town Hall), and postings on the Town website. During this permit year, the Town hired GZA GeoEnvironmental, Inc. to prepare a brochure to educate the public about not dumping waste in local streams. The Town will mail the brochures to households and businesses as inserts in the sewer or tax bills. Electronic files of these materials will be posted on the Town’s web site. In addition, the Milford Town Engineer will be presenting to approximately 20 Milford Girl Scouts on May 28, 2015 about the water cycle, water conservation, and stormwater.

Public Involvement and Participation

Annual clean-ups, scrap metal and used motor oil recycling, and annual hazardous waste collection days are ongoing programs to fulfill this component. These include the Charles River Earth Day Cleanup event on April 26, 2014, the Milford Upper Charles Trail Cleanup event on October 17, 2014, and the Friends of the Milford Upper Charles Trail – sponsored annual spring cleanup from April 15 to May 15, 2015. Quantities of materials collected as part of recycling programs during calendar year 2014 is tabulated later in this report.

Illicit Discharge Detection and Elimination (IDDE)

The Milford Sewer Department regularly conducts several programs to address existing and potential sanitary sewer overflows (SSOs). These include annual and monthly flushing of specific areas within the sewer collection system in an effort to reduce the

frequency, duration and volumes of SSOs that could potentially occur, an infiltration/inflow removal program, and a sump pump removal program. Twenty-seven (27) sump pumps were disconnected in calendar year 2014 and connected to the municipal stormwater system or a dry well. There were two SSO's which occurred during calendar year 2014 within the Town of Milford's sewer collection system, which were due to two separate force main breaks. Both were subsequently repaired and the leaked sewage was collected by a septic pump-out company. During calendar year 2014, the Sewer Department also installed approximately 2,000 linear feet of cured-in-place pipe (CIPP) and associated service connection T-liners to reduce I/I within the collection system.

MassOrtho was contracted to conduct a flyover of the Town, which is anticipated to occur in Spring 2015. The Town also contracted Environmental Partners to conduct an assessment of the Town's GIS systems including drainage applications. Outfall, manhole, catch basin, and BMP locations within the Town have been mapped using GPS but have not yet been assigned attributes. The information was provided to AppGeo for the preparation of GIS mapping. Catch basin locations are accessible to Town staff via the Town's mapgeo website. The number of system elements mapped are as follows:

Outfalls	301
Manholes	1401
Catch Basins	2801
BMPs	30

Construction Site Stormwater Runoff Control, Post-Construction Stormwater Management in New Development and Redevelopment
 The following summarizes Conservation Commission Activity for 2014, related to the town's MS4 permit:

Activity	Number
Total conservation filings	28
RDA – negative determination	11
NOI – Order of Conditions Issued	13
Certificate of Compliance – previous Order	9
Partial releases	3

Four development sites submitted for review proposed new drainage systems that included deep-sump catch basins and vortex units. One site also included two water quality swales. All submissions included Operation and Maintenance plans for the sites which are

now on file in the Town of Milford's Office of Planning and Engineering. Only one of the projects has been completed as of April 8, 2015.

Additional BMPs were installed at an Assisted Living Facility (Blair House) that included Stormceptors (2), deep sump catch basins, and a subsurface infiltration bed with high rate infiltrators. This project was not subject to Conservation Commission review.

There were no reported violations of the Stormwater By-law.

Pollution Prevention and Good Housekeeping in Municipal Operations

The Town installed four new catch basins along with 1,955 feet of new drainage pipe in 2014, and repaired or rebuilt a total of 156 town-maintained catch basins. Debris gates on Godfrey Brook, Hospital Brook, and O'Brien Brook were cleaned on 22 occasions. Detention basin maintenance (brush cutting) was performed during July and August.

The Milford Pond Aquatic Restoration Project was awarded to Palmer Federal in December. Work began in early 2015. The project involves the dredging of 19 acres of Milford Pond to a depth of 12-feet and the use of the dredging spoils to create emergent wetlands and islands across 25 acres of the pond. The project will improve water quality, create deep water habitat for fish, provide additional marsh habitat for 4 endangered species of birds, and provide improved recreational value to the Town of Milford. The dredged area will eliminate existing invasive species in those areas, and the replicated wetlands will increase nutrient uptake in the pond (i.e., phosphorous removal).

In October 2014, the Town passed a Boating Bylaw for Louisa Lake and Milford Pond that requires boat washing prior to launch and prohibits gasoline motors.

The Town continues to work on a phased project to rehabilitate the stone masonry channelized sections of the Godfrey and O'Brien Brooks stream channels, which convey natural flows and stormwater. Frequent damage to the aged stone walls results from high flows and contributes to periodic episodes of sediment loading from erosion. The Town received bids for construction of a portion of this project, including the repair of a portion of Godfrey Brook that crosses Rt. 16 by the Hospital and replacement of the culvert from Congress Terrace to Westbrook Street.

The Town Parks Department has a landscape management plan that oversees the seed, fertilizer, herbicide, and pesticide application at ten town-owned park facilities. Typically, each of the field facilities receives three applications of seed, fertilizer, herbicide, and

pesticide on an annual basis. Additionally, all landscape waste generated by the Parks Department is brought to a town compost facility for disposal. Trash from park trash barrels is emptied at least twice per week and brought to dumpsters, which are emptied once per week. The Parks Department also maintains five pet stations with signage along the Charles River Bicycle Trail in an effort to eliminate pet waste pollution. The town pool is dechlorinated and discharged to the stormwater system three times per year.

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 12 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 13
PE1	Brochures to educate public about stormwater pollution, pollution prevention, importance of reporting illicit dumping	Highway Dept.	Develop brochures in Permit Year (PY) 1. Produce and mail to residents in PY2.	Brochures distributed during PY2. Approximate volume of material removed from catch basins: PY2: 2,400 cubic yards (1598 tons of road sand were purchased by the Town during the previous winter season)	Monitor goal of reduction in pollutants in catch basins, observed by catch basin cleaning crews.
Revised				PY3: 2,460 cubic yards (2710 tons of road sand were purchased by the Town during the previous winter season) PY4: 3,600 cubic yards (1185 tons of road sand were purchased by the Town during the previous winter season) PY5: 4,500 cubic yards PY6: 342 tons (catch basin and sweepings combined) PY7: 1,600 cubic yards (catch basin and sweepings combined) PY8: 1,515 cubic yards PY9: 1,159 tons catch basin cleanings + 1,719 cubic yards street sweepings PY10: 557 tons catch basin cleanings + 659 cubic yards street sweepings PY11: 557 tons catch basin cleanings + 771 cubic yards street sweepings PY12: New brochure developed in PY12 (see BMP PE3). 140 tons catch basin cleanings + 1,300 cubic yards street sweepings	

1. Public Education and Outreach cont'd.

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 12 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 13
PE2	Brochures to educate business/industry regarding pollution prevention, material storage and handling, housekeeping, disposal practices	Highway Dept.	Develop brochure in PY1. Produce and mail to businesses in PY2.	Brochures distributed during PY2. Approximate volume of material removed from catch basins: PY2: 2,400 cubic yards (1598 tons of road sand were purchased by the Town during the previous winter season) PY3: 2,460 cubic yards (2710 tons of road sand were purchased by the Town during the previous winter season) PY4: 3,600 cubic yards (1185 tons of road sand were purchased by the Town during the previous winter season) PY5: 4,500 cubic yards PY6: 342 tons (catch basin and sweepings combined) PY7: 1,600 cubic yards (catch basin and sweepings combined) PY8: 1,515 cubic yards PY9: 1,159 tons catch basin cleanings + 1,719 cubic yards street sweepings PY10: 557 tons catch basin cleanings + 659 cubic yards street sweepings PY11: 557 tons catch basin cleanings + 771 cubic yards street sweepings PY12: 140 tons catch basin cleanings + 1,300 cubic yards street sweepings	Monitor goal of reduction in pollutants in catch basins, observed by catch basin cleaning crews.
Revised					

1. Public Education and Outreach cont'd.

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 12 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 13
PE3	Outreach program for local students, civic groups	Highway Dept.	Organize and implement round of presentations for local schools and at least one civic group.	<p>Consultant developed brochure, “Help Protect our Water Resources” to educate public about not dumping in local streams, and to provide information about waste disposal and recycling in Town. The Town will mail the brochures to households and businesses as inserts in the sewer or tax bills.</p> <p>The Milford Town Engineer will be presenting to about 20 Milford Girl Scouts on May 28, 2015 about the water cycle, water conservation, and stormwater.</p>	This BMP has been fulfilled for this permit term. Nevertheless, Town will continue education campaign or prepare for upcoming permit term as funding allows.
PE4	Educational material in library	Highway Dept.	Organize a group of materials regarding stormwater pollution and make available at library.	Brochure designed by consultant (see PE3): Electronic files of these materials will be posted on the Town’s web site.	Add to and update collection of materials, with a focus on bacteria and phosphorus.
Revised	<i>Educational materials in Town Hall and other locations</i>	Highway Dept.	Hang posters and have materials available in Town Hall.		

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 12 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 13
PP1	Community cleanup	Highway Dept.	Form volunteer group for annual cleanup. Hold cleanup day and record participants.	The Charles River Earth Day Cleanup Steering Committee held its Annual Earth Day Charles River Watershed Cleanup Event on April 26, 2014. This event involves volunteers collecting trash throughout the Charles River watershed, including sites within Milford.	Continue annual cleanup days to reduce amount of debris/trash along waterways and roadways.
Revised				<p>Consigli Construction held a cleanup of a portion of the Milford Upper Charles Trail (bike trail which runs adjacent to Louisa Lake and Milford Pond within the Charles River watershed in Milford) on October 17, 2014.</p> <p>The Friends of the Milford Upper Charles Trail is holding an annual spring cleanup from April 15 to May 15, 2015.</p>	

2. Public Involvement and Participation cont'd.

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 12 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 13
PP2	Scrap metal and used motor oil recycling	Highway Dept.	Continue to offer recycling program. Record amount of material collected.	Program is ongoing and maintained by the Board of Health. Waste/used engine oil, latex/oil based paint, auto batteries, and household batteries are collected year round. 2,000 gallons of motor oil, 4,556 tons of E-waste, and 697 tons of scrap metal/large appliances were collected during Calendar Year 2014.	Continue to offer program and record amounts of materials collected.

2. Public Involvement and Participation cont'd.

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 12 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 13																																																															
PP3	Hazardous waste dropoff days	Highway Dept.	Continue to offer semi-annual dropoff program and record amount of material collected.	<p>Program is ongoing and maintained by the Board of Health.</p> <table border="1" data-bbox="1095 451 1719 1019"> <thead> <tr> <th>Item</th> <th>CY 2004</th> <th>CY 2005</th> <th>CY 2006</th> <th>CY 2007</th> <th>CY 2008</th> <th>CY 2009</th> </tr> </thead> <tbody> <tr> <td>Auto batteries</td> <td>388</td> <td>409</td> <td>367</td> <td>309</td> <td>327</td> <td>310</td> </tr> <tr> <td>5-gal pails of household batteries</td> <td>6</td> <td>25</td> <td>5</td> <td>5</td> <td>5</td> <td>6</td> </tr> <tr> <td>l.f. of fluorescent bulbs</td> <td>315</td> <td>285</td> <td>375</td> <td>355</td> <td>347</td> <td>347</td> </tr> <tr> <td>C.Y. latex/oil based paint</td> <td>15</td> <td>18</td> <td>15</td> <td>15</td> <td>15</td> <td>18</td> </tr> <tr> <td>Mercury containing devices</td> <td>1524</td> <td>1497</td> <td>505</td> <td>466</td> <td>371</td> <td>371</td> </tr> <tr> <td>lbs electronics</td> <td>4100</td> <td>3779</td> <td>4670</td> <td>5430</td> <td>5742</td> <td>5530</td> </tr> <tr> <td>Propane Tanks</td> <td>N/A</td> <td>N/A</td> <td>388</td> <td>325</td> <td>385</td> <td>391</td> </tr> <tr> <td>Tons Auto Tires</td> <td>N/A</td> <td>N/A</td> <td>2150</td> <td>2120</td> <td>22</td> <td>19</td> </tr> </tbody> </table> <p>In 2014, all materials listed above were collected year round. One (1) comprehensive household hazardous waste collection day was hosted by the Town of Milford on November 8, 2014, during which 9,150 pounds of waste were collected. Town residents also had access to three (3) additional comprehensive household hazardous waste collection events in Hopedale, Holliston, and Franklin.</p>	Item	CY 2004	CY 2005	CY 2006	CY 2007	CY 2008	CY 2009	Auto batteries	388	409	367	309	327	310	5-gal pails of household batteries	6	25	5	5	5	6	l.f. of fluorescent bulbs	315	285	375	355	347	347	C.Y. latex/oil based paint	15	18	15	15	15	18	Mercury containing devices	1524	1497	505	466	371	371	lbs electronics	4100	3779	4670	5430	5742	5530	Propane Tanks	N/A	N/A	388	325	385	391	Tons Auto Tires	N/A	N/A	2150	2120	22	19	Continue to offer drop off program and record amount of material collected.
Item	CY 2004	CY 2005	CY 2006	CY 2007	CY 2008	CY 2009																																																														
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Revised																																																																				

2. Public Involvement and Participation cont'd.

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 12 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 13
PP4	Public meeting	Highway Dept.	Hold public meeting to present proposed bylaw/ordinances for input prior to implementation by end of PY1.	Task completed in PY3.	Task complete.
Revised			Public meeting may also discuss stormwater pollution prevention.		

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 12 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 13
IDD1	Storm Sewer Map	Highway Dept.	Seek Town Meeting funding in PY1. Complete map in PY2.	Outfall mapping completed by consultant August 2004, at cost of \$8,000. Additional storm sewer elements have been mapped in Project Years 4, 5, 6. Additional drainage system mapping has been conducted in PY12. SEE PART II. SELF ASSESSMENT FOR DETAILS.	Task complete (all outfalls). Will update GIS and orthophoto information.
Revised					
IDD2	IDDE program development, identification of problem areas, correction of issues.	Highway Dept.	Conduct outfall sampling in PY2. Number of illicit discharges to be removed in PY3, 4, 5.	Dry-weather field screening completed by consultant Fall of 2005 and “Dry Weather Outfall Investigation Summary Report” completed November 2005. 303 outfalls/structures were inspected at least once during dry weather. No illicit discharges found during PY12 (SEE PART II. SELF ASSESSMENT FOR DETAILS).	Continue IDDE program.
Revised					
IDD3	IDDE program documentation.	Highway Dept.	Submit annual report, including information on IDDE program steps.	Annual report is hereby submitted.	Future PY annual reports will include information on IDDE program tasks.
Revised					

3. Illicit Discharge Detection and Elimination cont'd.

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 12 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 13
IDD4	Storm drain stenciling program, focusing on drains tributary to ponds and known dumping areas. Program extended to brook drains as feasible.	Highway Dept.	Percentage/number of storm drains stenciled annually. Records of catch basin cleaning showing decreased dumping/pollutants in catch basins.	All Town storm drains (approximately 3,353) were stenciled or restenciled in PY11. The Eagle Scouts assisted with the stenciling. Approximate volume of material removed from catch basins: PY3: 2,460 cubic yards (2710 tons of road sand were purchased by the Town during the previous winter season) PY4: 3,600 cubic yards (1185 tons of road sand were purchased by the Town during the previous winter season) PY5: 4,500 cubic yards PY6: 342 tons PY7: 1,600 cubic yards (catch basin and sweepings combined) PY8: 1,515 cubic yards PY9: 1,159 tons catch basin cleanings + 1,719 cubic yards street sweepings PY10: 557 tons catch basin cleanings + 659 cubic yards street sweepings PY11: 557 tons catch basin cleanings + 771 cubic yards street sweepings PY12: 140 tons catch basin cleanings + 1,300 cubic yards street sweepings	Task complete.
Revised					
IDD5	Regulation prohibiting non-stormwater discharges to municipal system.	Highway Dept.	Development and implementation of regulation during PY2.	Sections on Prohibition of Illegal Discharges, Prohibition of Illicit Connections, and Waste Disposal Prohibitions included in Stormwater Management bylaw, in effect as of February 9, 2006.	Implement bylaw. Work with property owners to remove illicit discharges as needed.
Revised					

4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 12 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 13
CR1	Regulation for erosion/sediment controls, BMPs, construction controls	Highway Dept.	Development and establishment of regulation.	Stormwater Management bylaw requiring stormwater management permit for construction activities disturbing greater than 1 acre approved at Town Meeting on October 24, 2005. The Stormwater Management bylaw was approved by the Attorney General's Office in letter dated February 9, 2006.	Task complete.
Revised					
CR2	Mechanism for site plan review, inspections, review procedures	Highway Dept.	Establishment of procedures and number of plans reviewed annually.	The Stormwater Management General By-Law, adopted on October 24, 2005, requires a Stormwater Permit for any construction activity disturbing greater than 1 acre of land except for projects that are required to file a Notice of Intent (NOI) with the Milford Conservation Commission. Such NOIs must include a fully executed Stormwater Management Form and projects must be designed in full compliance with DEP's Stormwater Management Policy. SEE PART II. SELF ASSESSMENT FOR DETAILS.	Implement bylaw.
Revised					

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 12 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 13
PCR1	Regulation for BMPs	Highway Dept.	Develop and adopt regulation, measure compliance (# of BMPs, % compliance, etc).	Four development sites submitted for review new drainage systems that included deep-sump catch basins and vortex units. One site also included two water quality swales. Additional BMPs were installed at an Assisted Living Facility (Blair House) that included stormceptors (2), deep sump catch basins, and a subsurface infiltration bed with high rate infiltrators. There were no reported violations of the Stormwater Management By-Law associated with BMP requirements.	Continue to implement bylaw.
Revised					
PCR2	Regulatory mechanism for BMP operation and maintenance (O&M)	Highway Dept.	Regulation development and adoption; maintenance of inspection reports.	Stormwater Management bylaw approved at Town Meeting on October 24, 2005 includes Operation, Maintenance, and Inspection Schedule requirements for privately-owned facilities, and assigns maintenance responsibility. The Stormwater Management bylaw was approved by the Attorney General's Office in letter dated February 9, 2006. SEE PART II. SELF ASSESSMENT FOR DETAILS.	Continue to implement bylaw.
Revised					

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 12 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 13
MGH1	Street sweeping	Highway Dept.	Continue street sweeping program, note reduction in sediments in catch basins, quantities of material collected.	Street sweeping conducted March 27 through August 27 of 2014: 1,300 cubic yards collected. All accepted streets (120 miles) were swept at least twice, and sidewalks and parking lots were also swept. Associated cost and labor: \$18,035 labor, \$4,551 fuel, \$17,100 maintenance and brooms	Continue program through all permit years.
Revised					
MGH2	Catch basin cleanouts	Highway Dept.	Continue catch basin cleanout program. Record number of catch basins cleaned, sediment collected.	The Town conducted annual catch basin cleanouts in July through August of 2014. 3337 catch basins were cleaned and a total of 140 tons of material removed. Total cost of \$39,677 plus debris removal cost of \$31,381.	Continue program through all permit years.
Revised					
MGH3	Record keeping/schedule of maintenance	Highway Dept.	Continue to keep listing of regular maintenance activities, schedules, and procedures.	Records added to maintenance file.	Continue to maintain records and update program as needed.
Revised					
MGH4	Recycling and waste disposal program	Highway Dept.	Continue recycling and waste disposal program for municipal operations. Record quantities involved in program.	Program ongoing. 10,700 cubic yds of mulched lawn waste collected in Fall of 2014 from 120 miles of Town streets at cost of \$55,000 for labor and fuel. The Town composted the collected leaves. Residents may drop off yard waste at the Town composting facility year-round. 1,528 tons of yard waste were recycled in Calendar Year 2014 (BOH data). 220 Christmas trees were collected. Parks department landscape waste is composted at town compost facility.	Continue program through all permit years.
Revised					

6. Pollution Prevention and Good Housekeeping in Municipal Operations cont'd.

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 12 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 13
MGH 5	Waste disposal/housekeeping training and practices	Highway Dept.	Continue proper disposal procedures, conduct training, keep logs of material disposal.	2,191 gallons of oil/water were removed from two oil/water separators at the Highway Department Garage on April 19 and December 8, 2014 at a total cost of \$16,926.	Continue program through all permit years.
Revised					
MGH 6	Identification, inspection, maintenance of Town owned BMPs	Highway Dept.	Inspection and maintenance of structures, maintain records.	<ul style="list-style-type: none"> • 1,955 feet of new drainage was installed • 4 new catch basins were installed • 156 catch basins were repaired or rebuilt • Debris gates in the Godfrey, O'Brien, and Hospital Brooks were cleaned on 22 occasions • Brush cutting on detention basins during July and August. <p>Approximate cost of \$120,000.</p>	Perform recommended maintenance activities on detention basins. Continue program.
Revised					

Part IV. Summary of Information Collected and Analyzed

The quantities of materials accepted by the Town’s recycling programs are recorded by the Board of Health and have been included in the following section.

Part V. Program Outputs & Accomplishments

Education, Involvement, and Training

Stormwater education materials collected and available at library	(y/n)	YES
Clean-up days held	(#)	3 events
Household Hazardous Waste Recycling		
▪ material collected (automotive waste oil)	(gal)	2,000
▪ material collected (household paint)	(gal)	Not reported
▪ annual recycling (January 2014- December 2014 (inclusive))	(tons)	15,290

Legal/Regulatory

	In Place Prior to Phase II	Existing Regs Reviewed	Drafted	Adopted
Regulatory Mechanism Status (indicate with “X”)				
▪ Illicit Discharge Detection & Elimination				X
▪ Erosion & Sediment Control				X
▪ Post-Development Stormwater Management				X
Accompanying Regulation Status (indicate with “X”)				
▪ Illicit Discharge Detection & Elimination				X
▪ Erosion & Sediment Control	X (partly)			X
▪ Post-Development Stormwater Management				X

Mapping and Illicit Discharges

Number of outfalls mapped to date	(#)	301
Estimated or actual number of outfalls	(#)	301
Mapping/Survey method(s)	type	GPS and CAD/GIS
Outfalls inspected/screened during dry weather	(#)	282 (100%)
Estimated % of population on sewer	(%)	80
Estimated % of population on septic systems	(%)	20
Outfalls identified for further investigation	(#)	24 (9%)
Outfall drainage systems mapped (complete or partial)	(#)	301 (100%)
Illicit discharges traced	(#)	8
Illicit discharges removed	(#)	7

Operations and Maintenance

Average frequency of catch basin cleaning (non-commercial/non-arterial streets)	(times/yr)	1
Average frequency of catch basin cleaning (commercial/arterial or other critical streets)	(times/yr)	1
Total number of structures cleaned	(#)	3337
Total amount of material removed from structures	(cubic yards)	140 tons catch basin cleanings + 673 tons street sweepings
Disposal or use of sweepings (landfill, POTW, compost, recycle for sand, beneficial use, etc.)		registered landfill
Disposal of yard waste		Composted and used by Public, Parks, and Highway Dept.
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)	At least 2
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.)	(location)	registered landfill
Anti-/De-icing products	material	NaCl and limited CaCl ₂
Salt pile(s) covered in storage shed(s)	(y/n)	Yes