



Town of Agawam

36 Main Street
Agawam, Massachusetts 01001-1837
413-786-0400

4/30/10

P

April 26, 2010

Ms. Glenda Velez
U.S. Environmental Protection Agency – CIP
1 Congress Street, Suite 1100
Boston, MA 02114

RE: Agawam Massachusetts
NPDES Phase II MS4 Permit
Annual Report 2010

Dear Ms. Velez:

The Town of Agawam is pleased to submit the enclosed Municipal Stormwater Management Program Annual Report for permit year seven in order to comply with the NPDES Stormwater MS4 Permit requirements.

The enclosed information includes documentation of year sevens activities, a self assessment, detailed assessments of each BMP, measurable goals, assessment of progress towards achieving the measurable goals, summary of results of any information that has been collected and analyzed, discussion of activities for the next reporting cycle, discussion of changes in identified BMP's, and reference to any reliance on other entities for achieving measurable goals.

Please feel free to contact me with any questions or comments regarding this submittal.

Sincerely,

Richard A. Cohen
Mayor

CC: Massachusetts Department of Environmental Protection
Anthony Sylvia, Dept. of Public Works
Michelle Chase, Engineering
Tracy DeMaio, Environmental Project Coordinator



Enter your transmittal number

x233085

Transmittal Number

Your unique Transmittal Number can be accessed online: <http://mass.gov/dep/service/online/trasmfrm.shtml> or call MassDEP's InfoLine at 617-338-2255 or 800-462-0444 (from 508, 781, and 978 area codes).

Massachusetts Department of Environmental Protection Transmittal Form for Permit Application and Payment

1. Please type or print. A separate Transmittal Form must be completed for each permit application.

2. Make your check payable to the Commonwealth of Massachusetts and mail it with a copy of this form to: DEP, P.O. Box 4062, Boston, MA 02211.

3. Three copies of this form will be needed.

Copy 1 - the original must accompany your permit application. Copy 2 must accompany your fee payment. Copy 3 should be retained for your records

4. Both fee-paying and exempt applicants must mail a copy of this transmittal form to:

MassDEP
P.O. Box 4062
Boston, MA
02211

* Note:
For BWSC Permits,
enter the LSP.

A. Permit Information

MAR041001

General Permit MS4

1. Permit Code: 7 or 8 character code from permit instructions

2. Name of Permit Category

Annual Report

3. Type of Project or Activity

B. Applicant Information - Firm or Individual

Town of Agawam

1. Name of Firm - Or, if party needing this approval is an individual enter name below:

2. Last Name of Individual

3. First Name of Individual

4. MI

1000 Suffield Street

5. Street Address

Agawam

MA

01001

413-821-0623

6. City/Town

7. State

8. Zip Code

9. Telephone #

10. Ext. #

Anthony M. Sylvia

dpw@agawam.ma.us

11. Contact Person

12. e-mail address (optional)

C. Facility, Site or Individual Requiring Approval

Town of Agawam

1. Name of Facility, Site Or Individual

2. Street Address

3. City/Town

4. State

5. Zip Code

6. Telephone #

7. Ext. #

8. DEP Facility Number (if Known)

9. Federal I.D. Number (if Known)

10. BWSC Tracking # (if Known)

D. Application Prepared by (if different from Section B)*

1. Name of Firm Or Individual

2. Address

3. City/Town

4. State

5. Zip Code

6. Telephone #

7. Ext. #

8. Contact Person

9. LSP Number (BWSC Permits only)

E. Permit - Project Coordination

1. Is this project subject to MEPA review? yes no
If yes, enter the project's EOE file number - assigned when an Environmental Notification Form is submitted to the MEPA unit:

EOEA File Number

F. Amount Due

Special Provisions:

1. Fee Exempt (city, town or municipal housing authority)(state agency if fee is \$100 or less).
There are no fee exemptions for BWSC permits, regardless of applicant status.
2. Hardship Request - payment extensions according to 310 CMR 4.04(3)(c).
3. Alternative Schedule Project (according to 310 CMR 4.05 and 4.10).
4. Homeowner (according to 310 CMR 4.02).

DEP Use Only

Permit No:

Rec'd Date:

Reviewer:

Check Number

Dollar Amount

Date

PART 1. GENERAL INFORMATION
 Permit Information 3
 Certification Statement 3

PART 2. INTRODUCTION
 Summary 4
 Inter-Connected MS4s 4
 Self Assessment 4-5

PART 3. STORM WATER MANAGEMENT PROGRAM

SECTION 1 PUBLIC EDUCATION AND OUTREACH
 Minimum Control Best Management Practices
 1A Educational Displays 6
 1B Classroom Education 6-8
 1C Local Cable Access..... 8-9
 1D Community Website.....9-10
 1E Newspaper Press Releases 10
 1F Informational Pamphlets..... 11

SECTION 2 PUBLIC INVOLVEMENT / PARTICIPATION
 Minimum Control Best Management Practices
 2A Adopt-a-Road..... 12
 2B Attitude Surveys 12-13
 2C Catch Basin Marking 13
 2D Watershed Committee..... 13-14
 2E Community Outreach 14-15

SECTION 3 ILLICIT DISCHARGE DETECTION AND ELIMINATION
 Minimum Control Best Management Practices
 3A Mapping Stormwater Outfalls 16-17
 3B Non-Stormwater Discharge Ordinance..... 17
 3C Develop Illicit Discharge Plan..... 18-20
 3D Inform Employees, Businesses, and Public 20-21
 3E Video Inspection..... 21
 3F Failing Septic Systems 22
 3G Catch Basin Markers..... 22-23

SECTION 4 CONSTRUCTION SITE RUNOFF CONTROL

Minimum Control Best Management Practices

- 4A Construction Runoff Ordinance24
- 4B Construction Plan Review25
- 4C Inspection / Reporting26

SECTION 5 POST CONSTRUCTION STORMWATER MANAGEMENT

Minimum Control Best Management Practices

- 5A Post Construction Runoff Ordinance27
- 5B Site Plan Review 27-28
- 5C Stormwater System Maintenance Plan 28-29

SECTION 6 GOOD HOUSEKEEPING / POLLUTION PREVENTION

Minimum Control Best Management Practices

- 6A Municipal Maintenance Activity Program.....30
- 6B Training of Municipal Employees 30-31
- 6C Catch Basin Cleaning Program 31-32
- 6D Street Sweeping32
- 6E Pest Control / Landscaping and Lawn care.....33
- 6F Stormwater Pollution Prevention Plan / MSGP .. 33-34
- 6G Used Oil Recycling34
- 6H Hazardous Waste Collection35

SECTION 7 BMPs FOR MEETING TMDLS

Minimum Control Best Management Practices

- 7A TMDL for the Connecticut River36

PART 4. APPENDICES

1. Public Education
2. Public Participation
3. Illicit Discharge Detection and Elimination
4. Construction Site Runoff Control
5. Post-Construction Stormwater Management
6. Good Housekeeping / Pollution Prevention

Organization: **Town of Agawam, Massachusetts**

PERMIT YEAR 7: 2009 ANNUAL REPORT

NPDES PERMIT # MAR 041 001

Reporting Period: May 2009– April 2010

MA DEP Transmittal # X228005

NPDES Phase II Small MS4 General Permit Annual Report

Part 1. General Information

Contact Person: **Anthony Sylvia**

Title: **Superintendent
Department of Public Works**

Telephone Number: **413-821-0623**

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: _____

Name: Richard A. Cohen

Title: Mayor

Date: April 26, 2010

Part 2. Introduction

The following is the Town of Agawam Massachusetts Annual Report as required by the EPA NPDES Phase II Small MS4 General Permit Regulations. This report is for year seven of the five year permit cycle. This report includes a self-assessment review of compliance with the permit conditions, an assessment of the appropriateness of the selected BMPs, an assessment of the progress towards achieving the measurable goals, a summary of results of any information that has been collected and analyzed, a discussion of activities for the next reporting cycle, a discussion of any changes in identified BMPs or measurable goals, and reference to any reliance on another entity for achieving any measurable goal.

RELIANCE ON OTHER ENTITIES

INTER-CONNECTED MS4S - The Town of Agawam has interconnected MS4s within its boundaries as follows: Massachusetts Highway Department controls certain State numbered routes, Massachusetts Department of Environmental Management controls Robinson State Park on the Westfield River, the Springfield Water and Sewer Commission controls the Bondi's Island Regional Treatment Facility on the Connecticut and Westfield Rivers, and the City of Springfield owns and operates the Bondi's Island Landfill on the Westfield River. Each of these facilities have drainage systems which are separate from or interconnect to the Town of Agawam's drainage system but are under control and operation by entities other than the Town of Agawam.

VOLUNTEERS – Several of the permit conditions within the minimum control measure for public participation relies on the interest and participation of volunteers.

SELF-ASSESSMENT

During Year 7 of the EPA NPDES Phase II Small MS4 General Permit, the Town of Agawam continued to work to improve the quality of stormwater runoff using the six Minimum Control Best Management Practices as a guideline.

Public education in the schools and in the community via various media (i.e. displays, classrooms, cable access television, newspapers, mailed pamphlets, etc.) continued to be implemented year round.

In addition, public involvement and participation continued to be successful through the efforts of partnering groups and volunteers.

The Illicit Discharge Detection and Elimination program has continued with complex stormwater system investigations, updated the GIS mapping of the stormwater system and

PART 3. STORMWATER MANAGEMENT PROGRAM

MINIMUM CONTROL BEST MANAGEMENT PRACTICES

SECTION 1 – Public Education and Outreach

1A Educational Displays

Original BMP Description:

The Town will post one educational display per year in the Municipal Building. Displays will contain information on stormwater related issues and may be obtained from an applicable governmental or other public agency, purchased from a distributor, or created by students working on projects under BMP #1B. The Department of Public Works (DPW) will have responsibility for this BMP, which will be utilized in Years 1 through 5.

Year 7 Activities

The town continues to use posters available through the “Think Again, Think Blue Campaign” at the Town Hall and DPW Municipal Annex. The permit year 7 message was to raise awareness on pet waste housekeeping in the community.

Best Management Practice Assessment / Proposed Changes

Goal has been met. No changes proposed at this time.

Possible Future Activities

The town anticipates expanding our pet waste campaign to include literature and posters at veterinary clinics and pet stores.

1B Classroom Education

Original BMP Description:

The Town will continue the science curriculum and encourage stormwater educational topics to be included in the curriculum for Grades 4 through 8. At minimum, the curriculum will include one presentation given to the students about stormwater related topics. The School Department will be responsible for this BMP, which will be implemented in Years 1 through 5.

Year 7 Activities

The Agawam Public School Curriculum Coordinator oversees the recommended lessons as provided by the Massachusetts Comprehensive Assessment System (MCAS) standards for

- During permit year 7, these two groups were active in expanding their classroom education and bringing it to the streets. Staff and students voluntarily organized litter cleanups around the school as well as assisted in marking storm drains.

The DPW and School Department worked together to rewrite BMP 1B for permit year 8. In rewriting the BMP, the school department has agreed to distribute, collect, and submit to the DPW, annual reports regarding activities within the schools relating to stormwater management.

See Appendix 1B

Best Management Practice Assessment / Proposed Change

Proposed BMP change for Permit Year 8

The Agawam Public Schools will use the recommended teaching lessons from the state MCAS standards in grades K – 10 to increase awareness about stormwater related topics. The DPW will continue to support programs within the schools as funding is available as well as continue to seek volunteers for stormwater projects throughout the community.

Possible Future Activities

No changes

1C Local Cable Access

Original BMP Description:

The Town will post two informational bulletins per year on the local cable access channel. Bulletins will contain information on stormwater related issues and associated community activities. The DPW will have responsibility for this BMP, which will be utilized in Years 1 through 5.

Year 7 Activities

During permit year 7 the Town of Agawam posted the following information to help viewers learn more about stormwater management, healthy habits, and community activities.

- Household Hazardous Waste Day Event / Hazardous Waste items list
- Rain Barrel Sale / Rain Barrel literature

Best Management Practice Assessment / Proposed Change

No proposed changes to this BMP

Future Activities

Website will be updates as necessary.

1E Newspaper Press Releases

Original BMP Description:

The Town will send out two press releases per year to the local newspaper. Press releases will contain information on stormwater related issues and community activities. The DPW will have responsibility for this, which will be utilized in Years 1 through 5.

Year 7 Activities

During permit year 7, the following press releases were sent and published in local newspapers.

- Rain Barrel Sale – Agawam Advertiser, May 14, 2009 & March 18, 2010
- Household Hazardous Waste Day Event – Agawam Advertiser & Reminder Publication, July 23, 2009 – August 20, 2009
- Earth Day Event - Agawam Advertiser & Reminder Publication March 25, 2010 – April 16, 2010
- Energy Awareness – Agawam Advertiser, October 8, 2009
- CT River Clean up – Agawam Advertiser, October 8, 2009

See Appendix 1E

Best Management Practice Assessment / Proposed Change

No proposed changes

Possible Future Activities

Town will continue to send out press releases to local newspapers throughout permit year 8.

MINIMUM CONTROL BEST MANAGEMENT PRACTICES

SECTION 2 - PUBLIC INVOLVMENT AND PARTICIPATION

2A Adopt-a-Road

Original BMP Description:

The Town will continue to support neighborhood cleanup days by providing trash-bags and subsequent collection for voluntary roadside cleanups. The town will document locations targeted during each permit year as well as communication with potential volunteers. The Department of Public Works (DPW) will be responsible for this BMP, which will be implemented in Years 1 through 5.

Year 7 Activities

Through the continued efforts of the Agawam Beautification Committee, CT River Watershed Association, and the Westfield River Watershed Association, over 20 areas in town were cleaned throughout the year.

See Appendix 2A for a complete list.

Best Management Practice Assessment / Proposed Change

No changes at this time.

Possible Future Activities

As volunteers and funding are available, DPW will continue to support community cleanups.

2B Attitude Surveys

Original BMP Description:

The Town will include a questionnaire with stormwater related questions with the mailing of the water bills. The questionnaire will be used to measure community awareness of stormwater issues and the success of the Public Education and Public Involvement components of the Stormwater Management Plan. The DPW will have responsibility for this BMP, which will be utilized in Years 2 and 5.

Year 7 Activities

Attitude surveys were distributed as an insert of the Consumer Confidence Report / Aqua Almanac in permit year 2 and 5.

Best Management Practice Assessment / Proposed Change

Year 7 Activities

The WRWA has become an active partner in helping the Town of Agawam keep the riverbanks clean. In addition to Westfield River Clean-ups, the WRWA is an active partner in the Source to Sea Cleanup along the CT River.

As an active member of the Connecticut River Watershed Stormwater Subcommittee, the town of Agawam participated in the planning of a number of projects.

See Appendix 2D

Best Management Practice Assessment / Proposed Change

Proposed BMP change for Permit Year 8

The Town of Agawam will partner with the Westfield River Westfield River Watershed Association and Connecticut River Watershed Association as able, to coordinate stormwater related activities and public outreach within the watersheds.

Future Activities

Activities are pending the rewritten 2010 General Permit Requirements.

2E Community Outreach

Original BMP Description:

The Town will attempt to track the community participation level based on community outreach programs provided by the Town. The DPW will have responsibility for this BMP, which will be utilized in Years 2-5.

Year 7 Activities

During Permit Year 7, the DPW has offered the following programs to residents in town.

- HHW Day, 210 homeowners participated
- Rain Barrel Distribution, 146 barrels sold
- Earth Day Event – cancelled due to weather, new date to be announced in permit year 8

Minimum Control Best Management Practices

Section 3 – ILLICIT DISCHARGE DETECTION AND ELIMINATION

3A Mapping Stormwater Outfalls

Original BMP Description:

A Stormwater Outfall Map is to be developed showing the municipal stormwater outfall pipes greater than 12-inches diameter. Existing information and reports from previous investigations are to be compiled in Year 1. Approximately 25% of the outfalls are to be field inspected each year for Years 2 through 5. Inspectors will catalogue the size, pipe material and condition of each, the receiving water-body, and visual observation of the discharge and immediate downstream channel. The Department of Public Works (DPW) will be responsible for this BMP.

Year 7 Activities

GIS based mapping of the Town's existing stormwater drainage system is estimated to be over 97% complete. All areas were investigated to the best of the ability by our mapping field crew, however, we continue to update our mapping as new work is completed and more complex investigations occur. This mapping shows locations of all catch basins, drain manholes, drainage pipes, outflows, detention basins, and road culverts. The GIS maps are often utilized for stormwater related investigations including searching for cross connections and tracing the sources of illicit discharges. Both the DPW foremen and the Engineering Division have a hard copy set of the Town's most current drainage plans on file for quick access in the field. Also, a workstation within the DPW has been set up for the exclusive use of GIS related activities for quick and easy data access in the office. This GIS mapping is available to the public online via the Town of Agawam's website. This includes all the drainage mapping data.

In Year 7, a program was implemented by the Engineering Department to inspect all mapped outfall pipes over the next four years. Approximately 25% of the existing outfalls were inspected in the last permit year. Any additional information obtained during the inspections (pipe size, material, invert, etc.) was added to the GIS maps. A list of outfalls that need maintenance was created and will be repaired as the Town's budget allows.

Best Management Practice Assessment / Proposed Change

The GIS mapping of all drainage structures within the Town is nearly complete. The details described in this requirement have been gathered during the mapping. As the DPW continues to perform complex drainage system investigations, outfall inspections will be evaluated.

3C Develop Illicit Discharge Plan

Original BMP Description:

The Town will develop an Illicit Discharge Plan to include procedures for identifying, locating, removing illicit discharges as well as documenting actions and evaluating impacts. The Town will evaluate existing procedures in Year 2. The Town will prepare a draft plan and propose the plan for adoption in Year 3. Pending adoption, the plan will be implemented in Years 3 through 5. The DPW will be responsible for this BMP.

Year 7 Activities

As part of the development of the Non-Stormwater Discharge Ordinance, existing illicit discharge practices were evaluated. Existing activities involve the investigation and removal of illicit discharges or dumping if the DPW is made aware of an issue based upon resident complaints or observation by DPW or Town personnel. Removal of illicit discharges has been based upon existing authority by the DPW to do so. GIS drainage mapping continues to be updated as new construction and complex investigations are performed. As the mapping continues, the detailed evaluation of which areas to focus on for investigations will proceed.

A copy of the Town's Illicit Discharge Detection and Elimination (IDDE) Plan can be found in Appendix 3C.

Since Year 4, an Illicit Discharge Verbal Notice of Violation form has been used as a method of notification and documentation by the DPW when Non-Stormwater Discharges are observed at a site that is in violation of Town Code.

In Year 7, the Town of Agawam has investigated and resolved illicit discharges in the following locations:

- Walnut Street: erosion from soil stockpiles entering stream – owner has been notified to install silt fence and hay bales
- Bradford Drive: soil stockpiled on top of Town owned catch basin – soil has been removed
- Shoemaker Lane: drainage outflow with thin oily film caused by oil spill – transitory discharge, spill has been cleaned up
- Shoemaker Lane: erosion from private dirt road into Town drainage system – property owner had been notified to remove dirt from road and take measures to prevent similar future illicit discharges
- Silver Street: soil tracking from private trucking company onto street, soil enters Town drainage system – Town is currently working with property owner to eliminate this illicit discharge
- South Street Pump Station: observed surface water with oil-like film – in-house testing confirmed no pollutants present in the water

Methods of outfall inspection and sampling were researched from NPDES, the New England Interstate Water Pollution Control Commission (NEIWPCC), and the Center for Watershed Protection. It is anticipated that all existing Town stormwater outfalls will be inspected within the 4 years.

Future Activities

Approximately 25% of the existing outfalls will be inspected each year for obvious signs of illicit discharges, such as tinted water, odors, and/or turbidity. If the preliminary inspection indicates the presence of an illicit discharge, sampling and further testing will be conducted. The Town is in the process of acquiring a Storm Water Kit for in-field testing. Any necessary testing beyond the scope of the Town's facilities will be performed by a private laboratory.

Inspections of detention basins were begun in Year 7 and shall continue in the spring and fall. Town owned detention basins will be given priority. The DPW will be responsible if any repairs to the basins are deemed necessary. Inspections will also be conducted at detention basins on private property. The property owners will be responsible for the maintenance and repair of all detention basins on their property. Assistance can be given at the discretion of the DPW.

3D Inform Employees, Businesses, and Public

Original BMP Description:

Municipal employees, businesses and the public will be informed regarding the illicit discharge plan and the non-stormwater ordinance. Elements of the public education program will include publicity for this BMP. The DPW will be responsible for this BMP, which will be implemented in Years 3 through 5.

Year 7 Activities

As a member of the Connecticut River Watershed Stormwater Committee, the town was instrumental in the creation of three "Preventing Stormwater Pollution" flyers. The focus target audiences were Automotive Industries, General Business, and Food Industry.

See Appendix 3D

Best Management Practice Assessment / Proposed Change

No proposed changes.

3F Failing Septic Systems

Original BMP Description:

The Board of Health (BOH) currently keeps records of septic system failures that are used to identify problem areas. The BOH will report failures to the DPW for inclusion in GIS mapping in Year 3. The BOH will be responsible for this BMP, which will continue for Years 1 through 5.

Year 7 Activities

The Board of Health maintains records on all inspections involving septic systems. The BOH has forwarded a list of all failed systems from 2009 to the DPW. Septic System locations and their failures from 2003-2009 have been incorporated into the GIS mapping project.

See Appendix 3F

Best Management Practice Assessment / Proposed Change

The Town has begun Phase I of its Southwest Area Sewer project. Once the new sewer is constructed, some areas that have been experiencing septic system failures will be able to connect to the Town sewer system.

Future Activities

The DPW plans to further analyze septic system failures using the data that has been input into the GIS database. This information will help the Town prioritize future sewer proposals and also help residents understand where problematic areas in town are located. Analyzing septic information in GIS will also help to determine which areas of town should be classified as a high risk of illicit discharge.

3G CATCH BASIN MARKING

Original BMP Description:

The Town will support and supervise volunteer groups to mark catch basins with stormdrain markers. The DPW will supply guidance to volunteer groups regarding the installation of stormdrain markers, directions to locations, and all necessary materials. The Town's goal is to identify and mark 200 catch basins per year depending on volunteer participation. The DPW/volunteer groups will be responsible for this BMP, which will be implemented in Years 1 through 5.

Year 7 Activities

Students from the High School marked approximately 1181 storm drains with storm drain markers. The target area for the group was along River and Main Street, within the CT River Watershed, as well as Southwest Street to Pheasant Hill Road. In both areas, all the side streets between the two main roads were also marked.

Minimum Control Best Management Practices

SECTION 4 - CONSTRUCTION SITE RUNOFF CONTROL

4A Construction Runoff Ordinance

Original BMP Description:

The Town has adopted a Construction Runoff Ordinance which requires sediment and erosion control at construction projects with over one acre in total disturbance. The Town has evaluated existing regulations (including Zoning, Subdivision, and Wetlands regulations) in Year 1, prepared a draft ordinance in Year 2, and proposed the new ordinance for adoption in Year 3. Pending adoption, the ordinance was enforced in Years 3 through 5. The DPW, Planning Department, and Building Inspector have responsibility for this BMP.

Year 7 Activities

The current Water and Sewer Ordinance has been revised to reflect the Federally Mandated Requirements requiring sediment and erosion control at construction projects with over one acre in total disturbance. The revised edition was approved by City Council on May 15, 2006. Enforcement of the new ordinance began shortly after this approval. A new Stormwater Permit Application was created and implemented during Year 4. The ordinance and permit application continues to be used and enforced.

Best Management Practice Assessment / Proposed Change

No changes proposed.

Possible Future Activities

This ordinance may be revised in the future to help clarify and improve the requirements. The ordinance will continue to be used and enforced.

The Town continues to research, discuss and propose the opportunity to implement a new Stormwater Fee for all properties in Town. The monies acquired by this fee will be used to help offset the costs of maintaining the Town's drainage system, implementing the Illicit Discharge Program and educational purposes. Also, the new stormwater fee rules will include special incentives for private sites: to implement low impact development procedures, to reduce peak stormwater runoff rates through detention or infiltration, and to improve existing TSS treatment.

4C Inspection / Reporting

Original BMP Description:

Under the Construction Runoff Ordinance (or other regulatory mechanism), projects with disturbance over one acre will be required to have regular inspection of sediment and erosion controls and reporting of construction activities. Until a new ordinance is adopted (anticipated in Year 3), the Town will continue to require inspection and reporting in accordance with existing regulations. Pending adoption, construction inspection and reporting will be enforced in Years 3 through 5. The DPW, Planning Department, and Building Inspector have responsibility for this BMP.

Year 7 Activities

As documented in permit year 4, ordinance changes had been adopted by the City Council as of May 5, 2006.

The DPW and Conservation Commission continue to work together inspecting and enforcing the Wetland Protection Act on projects within the appropriate jurisdiction.

Best Management Practice Assessment / Proposed Change

No Change is proposed.

Possible Future Activities

Inspections will occur as needed for relevant existing regulations.

adoption, plans will be reviewed per the new ordinance in Years 3 through 5. The DPW, Conservation Commission, Planning Department, and Building Inspector have responsibility for this BMP.

Year 7 Activities

New stormwater regulations were approved and adopted by the City Council in May of 2006. This ordinance has been implemented by the DPW and continues to be used during the site plan and subdivision review and inspection process. The Conservation Commission through the Wetland Protection Act continues to regulate activities within and near wetland resource areas. The DPW continues to regulate all other stormwater activities that are connected to the Town's MS4.

Best Management Practice Assessment / Proposed Change

No Change is proposed.

Possible Future Activities

Shortly after the adoption of the new Ordinance, the Town began permit activities. If necessary, the DPW may make minor modifications to the ordinance in the future.

5C Stormwater System Maintenance Plan

Original BMP Description:

Under the Post Construction Runoff Ordinance (or other regulatory mechanism), projects with disturbance over one acre will be required to include a program outlining enhanced procedures for long term operation and maintenance of stormwater facilities. Until a new ordinance is adopted (anticipated in Year 3), the Town will continue to require stormwater facility operation and maintenance in accordance with existing regulations. Pending adoption, additional operation and maintenance requirements for stormwater facilities to be constructed as part of new development and redevelopment projects will be enforced in Years 3 through 5. The DPW, Planning Department, and Building Inspector have responsibility for this BMP.

Year 7 Activities

As documented during permit year 4, new ordinance requirements including drainage system maintenance of private sites had been adopted by the City Council. All new and redevelopment plans will continue to require maintenance activity schedules as part of the site's Stormwater Permit to the DPW.

The DPW continues to actively inspect detention ponds, working closely with residents regarding proper maintenance of the detention ponds. During permit year seven, 35 homeowners were contacted whose detention ponds were in need of maintenance;

MINIMUM CONTROL BEST MANAGEMENT PRACTICES**SECTION 6 GOOD HOUSEKEEPING / POLLUTION PREVENTION****6A Municipal Maintenance Activity Program**Original BMP Description:

The Town will develop a program to outline procedures associated with maintenance of open spaces and parks, vehicular fleets, Town-related construction activities, roads, and storm sewer system. The Town will evaluate existing municipal procedures, modify any procedures if needed, and prepare the program plan in Year 1. The Town will continue to monitor compliance and revise policies as necessary in Years 2 through 5. The DPW will have the responsibility for this BMP.

Year 7 Activities

The DPW continues to work closely with the Conservation Commission to ensure that all open spaces, parks, town-related construction activities, roads and storm sewer systems are properly maintained and erosion control BMPs are properly implemented.

Having reviewed EPA's website regarding Pollution Prevention / Good Housekeeping for Municipal Operations, the following two BMP policies and procedures were introduced to all DPW employees during permit year 7.

1. Spill Response and Prevention, Small Spills (, 10 gallons)
2. Spill Response and Prevention, Large Spills (<10 gallons)

See Appendix 6B

Best Management Practice Assessment / Proposed Change

Any changes to BMP are pending the 2010 Permit Requirements

Possible Future Activities

During Permit Year 8, Spill Response and Prevention for outside spills will be introduced to all DPW employees.

6B Training of Municipal EmployeesOriginal BMP Description:

Municipal employees performing activities under the new Municipal Maintenance Activity Program (BMP #6A) will be informed of new good housekeeping policies and procedures. This will occur pending adoption of the Program in Year 1. DPW employees will also be informed of the Stormwater Pollution Prevention Plan requirements for the DPW and Transfer Station, as applicable. Initial

history of clogging. During Permit Year 7, over 50 catch basins were repaired and cleaned to improve the performance of their function.

See Appendix 6C for exact locations.

Best Management Practice Assessment / Proposed Change

The town will continue to utilize funds, if available, for annual cleaning of catch basins within priority areas.

No changes at this time unless required by new 2010 Permit Regulations

Possible Future Activities

The DPW will continue to seek dedicated funds for catch basin cleanings during FY11. The DPW plans on inputting the data for catch basin cleaning into GIS so that an updated catch basin cleaning priority area list can be made.

6D Street Sweeping

Original BMP Description:

The Town will sweep all streets in the urbanized area once each year. The DPW has the responsibility for this BMP, which will be utilized for Years 1 through 5.

Year 7 Activities

During permit year 7, the DPW completed street sweeping in the following areas:

- 103 curb miles of roadway between April 1, 2009 – April 1, 2010
- Additional sweeping included
 - Water break clean up of soil and salt
 - Street sweeping prior to paving operations

Best Management Practice Assessment / Proposed Change

The town will continue to sweep priority areas as funding is available.

Possible Future Activities

Any changes are pending new 2010 Permit Requirements.

prevent spills from reaching surface waters. In addition, the Plan includes recommendations to upgrade the facility in areas where existing oil spill prevention, control and countermeasures are inadequate. The Town's future MSGP compliance program, specifically a stormwater pollution prevention plan, is anticipated to incorporate components of the SPCC Plan. See Appendix 6F of the 2008 Annual NPDES Report for an outline of the SPCC Plan.

Best Management Practice Assessment / Proposed Change

The DPW operations procedures have been implemented at the new DPW facility. During the summer/fall of 2008, a new salt/sand storage structure was built at the new facility. All winter operations have since moved to the new facility. The DPW received an updated SPCC plan and environmental audit from Tighe & Bond in Year 5. See Appendix 6F of the 2008 Annual NPDES for documentation.

Future Activities

Modify the SPCC plan as needed.

6G Used Oil Recycling

Original BMP Description:

The Town currently collects used oil for proper disposal and recycling. The Town will continue to offer Used Oil Recycling year-round in Years 1 through 5. The DPW has the responsibility for this BMP.

Year 7 Activities

The town continues to provide the residents a local drop off location for used motor oil.

In 2009, 270 gallons of used motor oil were collected at the DPW Town Garage.

Best Management Practice Assessment / Proposed Change

No changes at this time.

Possible Future Activities

The town will continue to provide residents with a drop off location for used motor oil and car batteries at no charge.

MINIMUM CONTROL BEST MANAGEMENT PRACTICES**7A TMDL for the Connecticut River**Original BMP Description:

According to the Massachusetts Year 2002 Integrated List of Waters, Connecticut River is designated as Category 5 "Waters requiring a TMDL". The targeted pollutants are priority organics, pathogens, and suspended solids. Sources of priority organics may include but are not limited to: road surfaces, inadequate fueling areas or practices, illegal dumping. Sources of pathogens may include but are not limited to: pet waste, winter road maintenance materials, illicit sewer discharges, and failing septic systems. Sources of the suspended solids may include but are not limited to: lawn care products, litter, winter road maintenance materials, erosion from construction activities, and illicit sewer discharges. The Stormwater Management Program includes many BMPs to address reduction of contaminants from these sources under all Six Minimum Control categories. The City will implement these BMPs under the responsible department and timeframes as previously described.

Year 7 Activities

All previously described Best Management Practices address the TMDL of the Connecticut River.

Best Management Practice Assessment / Proposed Change

The Connecticut River has many contributing factors to cause the need for the TMDL designation. Agawam, along with other community's efforts within Massachusetts, will contribute to improvements in this major river's water quality. Agawam participates in the Connecticut River Clean-up Committee's Stormwater subcommittee and the Westfield River Watershed Steering Committee.

Possible Future Activities

The future activities within the Town of Agawam's Stormwater Management Plan will be implemented as funding and other resources will allow.