Town of Agawam

1001 P

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

April 28, 2008

Ms. Anne Herrick
U.S. Environmental Protection Agency
1 Congress Street, Suite 1100 (CIP)
Boston, MA 02114-2023

RE: Agawam Massachusetts
NPDES Phase II MS4 Permit
Annual Report 2007

Dear Ms. Herrick:

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

The enclosed information includes documentation of year five activities, a self-assessment of compliance with permit conditions, assessment of BMPs, assessment of 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 BMPs, 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,

Susan R. Dawson

Susan R. Dawson
Mayor

CC: Massachusetts Department of Environmental Protection
John P. Stone, Dept. of Public Works
Michael Chase, Engineering
Tracy DeMaio, Environmental Project Coordinator
Debra Dachos, Planning
Henry Kozlowski, Conservation Commission

Enter your transmittal number → W221492
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
1. Permit Code: 7 or 8 character code from permit instructions

General Permit MS4
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
6. City/Town

MA
7. State

01001
8. Zip Code

413-821-0623
9. Telephone #

10. Ext. #

John P. Stone
11. Contact Person

dpw@agawam.ma.us
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 EOEA file number - assigned when an Environmental Notification Form is submitted to the MEPA unit:

EOEA File Number

F. Amount Due

DEP Use Only

Permit No:

Rec'd Date:

Reviewer:

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).

Check Number | Dollar Amount | Date

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Organization: **Town of Agawam, Massachusetts**

PERMIT YEAR 5: 2008 ANNUAL REPORT
Reporting Period: May 2007 – April 2008

NPDES PERMIT # MAR 041 001

MA DEP Transmittal # W 221492

NPDES Phase II Small MS4 General Permit

Annual Report

Part 1. General Information

Contact Person: John P. Stone

Telephone Number: 413-821-0623

Title: Superintendent
Department of Public Works

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 R. Dawson

Name: Susan R. Dawson

Title: Mayor

Date: April 25, 2008

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 five 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

The following is a summary of all activities which exceed the permit requirements and those requirements which have not been completed. All Minimum Control BMPs not mentioned here are in compliance with the permit requirements.

BMP 1E – Press Releases – Ten newspaper articles were published in local newspapers to inform residents and businesses about local stormwater campaigns, volunteer projects, and equipment available to residents. In addition, Agawam's media coverage was expanded to include television and radio PSA's.

BMP 1G – Community Outreach – In addition to the distribution of informational flyers, the town was able to offer water conservation kits and rain barrels through a MA DEP Grant.

BMP 2B – Attitude Surveys – In an effort to reach more residents and businesses, the attitude survey due to be distributed in early spring of Permit Year 5 was postponed to be distributed in late spring 08/early summer 08 so as to be distributed with the Aqua Almanac rather than in water bills.

BMP 2C – Storm Drain Markers – (BMP was previously known as Storm Drain Stenciling) Due to lack of volunteers, additional storm drains were not marked in permit year 5. Two local groups have been identified and are currently organizing spring storm drain marking event.

BMP 2D Watershed Committee – The Town of Agawam continued to be actively involved with the Westfield River Watershed and Connecticut River Watershed Committees. Each committee continued to focus on stormwater related events as well as increased public education on a regional level.

BMP 2E – Community Outreach – In addition to the distribution of informational flyers, the town was able to offer water conservation kits and rain barrels through a MA DEP Grant. Same as 1G

BMP 3A – Mapping Stormwater Outfalls – As described in the year 2 annual report, the Town of Agawam with its consultant Tighe & Bond have applied for and been granted a State Revolving Funding (SRF) loan for the mapping of the drainage system town-wide.

Project Status:

Compilation of existing data - complete

Compilation of existing GIS data layers - complete

Update of existing GIS data layers - complete

Field locating of stormwater features – over 96.5% of known features

Compilation of stormwater mapping – over 96.5% complete

Records Management of record plans – over 96.5% complete

Hardware and Software Purchase – complete – purchase and delivery of GPS unit and 2 new workstations was completed in Year 5. One workstation is used only for GIS mapping and research for quick and easy access to the GIS data.

Training – Tighe & Bond provided some GPS training in 2006 and 2007; GIS training with Tighe & Bond took place in Year 5, additional training to occur in May of 2008.

An updated status map showing the progress on the mapping project may be found in Appendix 3A. It should be noted that all areas were investigated to the best of the ability of our GPS mapping field crew. More complex investigations continue with the assistance of the DPW in order to complete the mapping. Also, GIS mapping continues to be updated as new construction is completed throughout Town.

BMP 3C – Illicit Discharge Plan Development – An Illicit Discharge Plan has been developed. It will be evaluated and updated on an annual basis. A copy of this plan is located in Appendix 3C.

The Non-Stormwater Discharge Ordinance was adopted by the Mayor and City Council in May of 2006. Existing activities involve the investigation, and removal of illicit discharges, if the DPW is made aware of an issue based upon resident complaints or observation by DPW personnel. Removal of illicit discharges has been based upon existing authority by the DPW to do so. Also, drainage system GIS mapping investigations and development continues. As the Town works to complete the investigations, the continued evaluation of how to proceed with illicit discharge elimination will take place. The focus of the Illicit Discharge Plan is currently on a number of areas:

Site plan and subdivision plan review and on-site inspections

Updating of plan review design requirements

The Storm Drain Permit Program at DPW was updated and implemented in November of 2006. A copy of the new permit is located in Appendix 4A and in the Engineering Division's section of the Town's web page.

Illicit Discharge Ordinance implementation

GIS Mapping of drainage system and investigations

Public education

Information about illicit discharges was included in Agawam's Environmental Encyclopedia which was mailed out to approximately 8,820 homes and placed on the Town's webpage. A copy of this section was reported in permit year 4. Additional information will be provided with the Attitude Survey, which is to be mailed out in late spring/early summer 2008.

BMP 3G – Storm Drain Markers – (BMP was previously known as Storm Drain Stenciling) Due to lack of volunteers, additional storm drains were not marked in permit year 5. Two local groups have been identified and are currently organizing spring storm drain marking event.

BMP 4B - Construction Plan Review – Stormwater Ordinance amendments to the existing Water and Sewer Ordinance section were developed and adopted in May of 2006. These amendments include sections pertaining to review of construction plans and design standards. All construction sites within the jurisdiction of the Rivers Act and the Wetland Protection Act must submit plans to the Conservation Commission for review of proposed erosion and sediment control measures. These sites are inspected and overseen by the Conservation Commission and Engineering Division. All new subdivision submittals are required to include construction phase erosion and sediment control measures within the construction plan set. The developers of all new subdivisions are required to submit the project's EPA NOI for construction activities, and give a courtesy copy of the SWPPP to the DPW. DPW works with the Conservation Commission, developers, and property owners to alleviate erosion control problems as they occur.

BMP 5C – Post Construction Controls – The existing practice of requiring post construction controls is on going. In addition, private homeowners with detention ponds on their property were notified of proper detention pond maintenance practices. The DPW has and will continue to inspect d-ponds as well as work with needed residents to bring d-ponds back to working condition.

BMP 6B – Municipal Employee Training – The DPW introduced two policies and procedures to DPW employees, ensuring the daily operations were in compliance. New policies and procedures will continue to be introduced.

BMP 6C - Catch Basin Cleaning Program – The town cleaned a limited number of basins due to funding. The town will continue to use priority area locations as a point of determining where to focus their cleaning efforts. In addition, the town will continue to utilize funds as available. Future activities include using GIS mapping to input data when catch basin cleaning occurs so that the Town can further pin point areas which require more frequent cleaning.

BMP 6F - Stormwater Pollution Prevention Plan / MSGP – Currently, the DPW has moved almost all of its operations from the old DPW site to the new DPW facility. The only remaining work that is performed at the old site is the salt/sand storage. The new salt/sand storage building at the new facility is anticipated to be completed during the summer of 2008. At this time, the MSGP requirement for DPW yards is not currently in effect. The DPW has provided Tighe & Bond with the required information for a SPCC plan and environmental audit for the new DPW facility. The Town's future MSGP compliance program, specifically a Stormwater Pollution Prevention Plan, was recently received from Tighe & Bond and signed by the DPW Superintendent.

PART 3. STORMWATER MANAGEMENT PROGRAM
MINIMUM CONTROL BEST MANAGEMENT PRACTICES

SECTION 1 – Public Education and Outreach

1A Educational Displays

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 5 Activities

Within the month of April 2008, a new educational display was posted in the Town Hall and DWP Municipal Annex. The message of the display was "Think More Is Better? Tell That To The Fish". The poster is a friendly reminder to the community that when you fertilize too much, right before heavy rains, or onto the pavement, it can flow into rivers, lakes and ponds, harming plants and animals. The poster was created by the Think Again, Think Blue Campaign. www.thinkbluema.org

See Appendix 1A for display contents.

Best Management Practice Assessment / Proposed Changes

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

Possible Future Activities

Next display to be posted in the Spring 2009.

1B Classroom Education

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 5 Activities

To increase recycling awareness and reduce the number of pollutants and their impacts on stormwater, the Agawam DPW has made aware and encouraged the public schools to participate in the following activities:

- The Go Green Initiative
  Grades Pre-K through 12
  The Town of Agawam adopted the Go Green Initiative within permit year 2. Schools continue to implement recycling within their school system, tracking their success through the year. Schools continue to show an increase in their recycling efforts.

- Green Team Enrollment
  Grades K-6
  Teachers were encouraged to register with the Green Team, an environmental club for Massachusetts students sponsored by the Massachusetts Executive Office of Environmental Affairs and Department of Environmental Protection. The Green Team is an interactive educational program that empowers students and teachers to help the environment through waste reduction, recycling, composting, pollution prevention, idling reduction, energy and water conservation.

  94 Agawam Teachers Enrolled in the Green Team
  Students of these teachers took the Green Team Pledge

  See Appendix 1B

- "Brown Bags Go Green"
  Grades 3-6
  The Public School Art Department at the Elementary and Middle Schools partnered with Geissler's Supermarket to bring environmental messages home. Geissler's Supermarket donated 2000 brown grocery bags to the students of Agawam. The students decorated the bags with environmental messages for the community.

  See Appendix 1B and 1E

  Agawam Middle School Goes Green
  Grades 5-6
  - The DPW sponsored a presentation to the Agawam Middle School from BJ Hickman. Magician BJ Hickman takes the participants on a magic journey through the "A-Z" list of who, what and why we should recycle.
  - Tuesday became "Go Green Trivia Day". Students were given an environmental question during the morning announcements. They had until lunch period to research the question and enter their answers in a trivia container. All students with the correct answers were given a prize sponsored by the DPW.

- All classrooms designed environmental posters to display throughout the school. Posters messages included recycling, pollution prevention and clean water ways.

See Appendix 1B

➢ United Water , "A Day at Bondi's Island".
Grade 5
In partnership with United Water, 14 fifth-grade classes from the Agawam Middle School attended a field trip to Bondi's Island. The field trip is intended to give students an understanding of the wastewater-treatment process while fostering interest in science, respect for the environment and curiosity about related careers.

See Appendix 1B

➢ Stormwater Management Presentation
HS – Environmental Club
HS – Leo Club
Both groups were given a presentation by the town Environmental Project Coordinator about stormwater management: (Pollution Prevention, Illicit Discharge, and Stormdrains) Club member were encouraged to participate in upcoming volunteer projects around Earth Day to mark stormdrains with "No Dumping" markers.

Best Management Practice Assessment / Proposed Change

The Town of Agawam has completed this BMP and feels all the activities were effective in helping support the public school department in educating the students on reducing the amount of waste disposed of improperly within our town.

Possible Future Activities

In an effort to further help the School Department educate students on stormwater quality, the Town of Agawam DPW Environmental Project Coordinator will continue to help support presentations, materials and research as staffing and funds allow.

1C Local Cable Access

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 5 Activities

A Hazardous Waste Bulletin was posted in the September 07. Information on the bulletin included which items could be brought to the Household Hazardous Waste Day event. In addition, it listed how to properly dispose of latex paint and used motor oil, two common illegally dumped waste products.

Summer 07 – Outdoor Watering Tips posted during the months of July, August and September.

Spring 08 – Rain Barrel Sale

See Appendix 1C

Best Management Practice Assessment / Proposed Change

No changes proposed to this BMP.

Possible Future Activities

The Town of Agawam will continue to post two bulletins on the local cable access channel to better educate the community regarding stormwater related issues.

1D Community Website

The Town will post stormwater educational information on the community website two times per year. The website will include a link to DEP's website and updates annually or as needed. The DPW will be responsible for this BMP, which will be implemented in Year 1 and updated in Years 2 through 5.

Year 5 Activities

During Year 5 the Town of Agawam updated its website to include the following information to help viewers lean more about stormwater management, healthy habits, and community activities and volunteer programs.

- Sustainable Water-wise Gardening Tips
- Agawam's Aqua Almanac
- Spring 2007 Stormwater Report
- Rain Barrel Sale / Info

See Appendix 1D

Best Management Practice Assessment / Proposed Change

This goal has been met. No changes are proposed.

Future Activities

The website will again be updated within permit year 5.

1E Newspaper Press Releases

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 5 Activities

The following Newspaper Articles were published in local newspapers to inform residents and businesses about stormwater management and local policy changes.

- Rain Barrel Sales
  Springfield Republican 4/5 2007
  Agawam Advertiser 4/6 and 4/13 2007

- Community Clean- Ups
  Agawam Advertiser, Bike Path 4/13/07
  Agawam Advertiser, Shea's Field 5/10/07
  Connecticut River / Pynchon Park 10/04/07

- FREE Water Conservation Kits available to town residents
  Agawam Advertiser

- Recycling Expansion – Athletic Fields
  Agawam Advertiser 6/1/07
- Household Hazardous Waste Collection
  Agawam Advertiser / Reminder/ Springfield Union News 8/17/07 – 9/07/07

- Mass Recycles Paper! Campaign
  Reminder 11/21/07

- "Brown Bags Go Green" Environmental Project
  Agawam Advertiser 11/22/07

- "Go Green" Campaign

Springfield Metro West Edition 12/5/07

- Recycling Presentations, Middle School
  Agawam Advertiser 12/06/07

- Stormdrain Marking Volunteer Effort
  Agawam Advertiser 4/07

See Appendix 1E

In partnership with the Connecticut River Stormwater Committee, the Town of Agawam participated in Radio and Television Public Service Announcements in addition to local press releases.

RADIO

- Sponsored Live Earth: Concert for a Climate in Crisis – aired live on WRNX 100.9 on July 7, 2007
  - Included eight 30-second commercials, 1 during each 20-minute live cut-in from Live Earth
  - Mentioned 25 promotional announcements
  - Think Blue logo on WRNX.com
  - 20 additional 30-second commercials airing on the stream at WRNX.com

- Aired 8 week programming with Clear Channel Radio (April – May 2007)
  - 30 commercials per week
  - 10 spots from 6am-7pm M-F
  - 10 spots 6am-midnight Sun-Sat
  - 5 Radio Stations
    - Zone 640 Sports Radio
    - WHYN Mix 93.1
    - KIX 97.9
    - WHYN News Talk 560
    - WRNX 100.9 FM

COMCAST CABLE TELEVISION

- Aired 30-second Think Blue PSA during primetime in July, August and September 2007 on the following stations:
  - CNN
  - TBS
  - The Weather Channel
  - The History Channel
  - CNN Headline News

Best Management Practice Assessment / Proposed Change

Goal has been met and exceeded. No changes at this time.

Possible Future Activities

The Town of Agawam will continue to send out press releases throughout the year and participate in radio and television ads as funding is available with the CT River Stormwater Subcommittee.

1F Informational Pamphlets

The Town will distribute one informational pamphlet or notice per year to every household Town-wide. The pamphlet or notice will likely be included with the mailing of the Consumer Confidence Report on water quality. Pamphlets will contain information on stormwater related issues and may be obtained from an applicable governmental or other public agency, purchased from a distributor, or possibly created by student's project under BMP #1B. The DPW will have responsibility for this BMP, which will be utilized in Years 1, 3, and 5.

Year 5 Activities

In June 2007, the Town of Agawam distributed their annual Agawam Aqua Almanac for FY07. Included in this mailing was a Spring-2007 Stormwater Report. This Report included topics on local volunteer projects, illicit discharge, detention pond maintenance and outdoor watering tips.

See Appendix 1D

Best Management Practice Assessment / Proposed Change

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

Possible Future Activities

If funding permits, the DPW intends to continue educating the public on water conservation and pollution prevention through a spring Stormwater Report every other year.

1G Community Outreach

The Town will attempt to distribute informational flyers at local community events as well as sponsor educational programs as funding becomes available. Flyers and programs will contain information on stormwater related issues as pertinent to the town. The DPW will have responsibility for this BMP, which will be utilized in Years 2-5.

Year 5 Activities

As in prior years, the DPW has made the following literature available to residents at the DPW counter, Town Hall lobby and Town website:

- What is Illicit Discharge? Pamphlet
- Sustainable Water-Wise Gardening Tip
- 2007 Stormwater Report

See Appendix 1D

In addition, 48 residents who purchased rain barrels received a flyer on how to use their rain barrels and a Sustainable Water-wise Gardening tips sheet.

See Appendix 1D and 1G

In October, 2007, the Conservation Commission sponsored a table at the Harvest Festival hosted by the Agawam Rotary Club. It is estimated that approximately 100 local residents attended the event. The Conservation Commission table consisted of displays and literature on making Environmentally Responsible choices. Literature included the following:

- Illicit Discharge detection
- Sustainable Water-wise Gardening
- Junk Mail Reduction Kits
- Idle Reduction Literature
- Environmental Guides

In addition to print materials, the Agawam DPW, In partnership with the Connecticut River Stormwater Committee, participated in Radio and Television PSA campaign as noted in section 1E.

Through a MA DEP Grant, the town was able to offer *100 water conservation kits* to local residents on a first come basis. The kits included:

- Low-flow kitchen faucet aerator
- Low-flow water saving showerhead
- Leak detection dye tablets
- Auto-shutoff garden hose nozzle
- Rain gauge
- Residential surveys.

See Appendix 1D – community website / stormwater report
1E – press release
1G – survey results

Again, through a MA DEP Grant, the town was able to offer residents SkyJuice New England Rain Barrels for a discounted price. *48 residents participated in this distribution*

See Appendix 1E – press release
1G – survey results

Best Management Practice Assessment / Proposed Change

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

Possible Future Activities

The Town will continue to distribute educational flyers at community events and sponsor educational programs as funding becomes available.

MINIMUM CONTROL BEST MANAGEMENT PRACTICES

SECTION 2 - PUBLIC INVOLVMENT AND PARTICIPATION

2A Adopt-a-Road

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 5 Activities

Through the efforts of the Agawam Beautification Committee, CRWA, WRWA and Kiwanis Club, the following areas were cleaned by local volunteers.

Suffield Street
Garden Street
Silver Street
Shoemaker Lane
Bowles Raod
Mill Street
Wade and Franklin Street / Wade Park
Skateboard Park
Borgatti Field
Wade Park

Shea Field (Local families) – See Appendix 1E

Agawam High School, with the help of the HS Track and Field Teams

Bike Path along the Connecticut River (Kiwanis Club)- See Appendix 1E

Pynchon Point / Connecticut River (Annual Source to Sea River Cleanup) – See Appendix 1E

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

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 5 Activities

In an effort to reach more residents and businesses in town, the DPW will be distributing attitude surveys as an insert of the Agawam Aqua Almanac. The Almanac is expected to mail mid spring / early summer of 08.

Best Management Practice Assessment / Proposed Change

No change to BMP other than to distribute surveys within the Aqua Almanac rather than as an insert of the water bill.

Future Activities

Distribute Survey with Almanac in mid spring / early summer.

2C Catch Basin Marking

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 5 Activities

Due to a lack of volunteers, no storm drains were marked this year.

Discussions are currently taking place to have two groups of volunteers go out in the Spring 08, pending the weather. Leo Club members at Agawam High School as well as the Westfield River Watershed Association are currently recruiting volunteers and assigning areas within the town to mark drains. The DPW provided volunteer groups with maps, identifying previously marked areas as well as "priority" areas within the watershed.

See Appendix 1E

Best Management Practice Assessment / Proposed Change

The DPW has met its goal in identifying volunteers to help mark storm drains and will continue to help coordinate the efforts with the two groups at the end of April 08.

Possible Future Activities

DPW will continue to seek volunteers and support the marking storm drains.

2D Watershed Committee

The Town of Agawam will coordinate stormwater activities with the Westfield River Watershed Association (WRWA) within Year 1 and will participate in Years 2 through 5. The Conservation Commission will be responsible for Agawam's participation in the WRWA.

Year 5 Activities

The Agawam DPW has informed the Westfield River Watershed Association of the Town's initiative to find volunteers to help identify and stencil storm drains within the watershed. The WRWA has become an active partner in helping the Town of Agawam and hopes to have a volunteer groups scheduled for the spring of 08.

See Appendix 1E

In addition to the WRWS, the Town of Agawam has continued to be an active member of the Connecticut River Stormwater Committee, a subcommittee of the Connecticut River Clean-up Committee (CRCC). The CRCC formed the Stormwater Subcommittee as a way of implementing a regional stormwater public outreach program.

CT River Stormwater Subcommittee Accomplishments - see Appendix 2D

Best Management Practice Assessment / Proposed Change

The goal has been met. No changes proposed at this time.

Future Activities

Members of the WRWA Five Year Action Plan Committee and Connecticut River Stormwater Committee will participate in meetings and activities as they are scheduled as well as to continue with their public education campaign materials.

2E Community Outreach

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 5 Activities

As in prior years, the DPW has made the following literature available to residents at the DPW counter, Town Hall lobby and Town website:

- What is Illicit Discharge? Pamphlet
- Sustainable Water-Wise Gardening Tip
- 2007 Stormwater Report

See Appendix 1D

In addition, 48 residents who purchased rain barrels received a flyer on how to use their rain barrels and a Sustainable Water-wise Gardening tips sheet.

See Appendix 1D and 1G

In October, 2007, the Conservation Commission sponsored a table at the Harvest Festival hosted by the Agawam Rotary Club. It is estimated that approximately 100 local residents attended the event. The Conservation Commission table consisted of displays and literature on making Environmentally Responsible choices. Literature included the following:

- Illicit Discharge detection
- Sustainable Water-wise Gardening
- Junk Mail Reduction Kits
- Idle Reduction Literature
- Environmental Guides

In addition to print materials, the Agawam DPW, in partnership with the Connecticut River Stormwater Committee, participated in Radio and Television PSA campaign as noted in section 1E.

Through a MA DEP Grant, the town was able to offer 100 water conservation kits to local residents on a first come basis. The kits included:

- Low-flow kitchen faucet aerator
- Low-flow water saving showerhead
- Leak detection dye tablets
- Auto-shutoff garden hose nozzle
- Rain gauge
- Residential surveys.

See Appendix 1D – community website / stormwater report
1E – press release
1G – survey results

Again, through a MA DEP Grant, the town was able to offer residents SkyJuice New England Rain Barrels for a discounted price. 48 residents participated in this distribution.

See Appendix 1E – press release
1G – survey results

Minimum Control Best Management Practices

Section 3 – ILLICIT DISCHARGE DETECTION AND ELIMINATION

3A Mapping Stormwater Outfalls

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 5 Activities

Over 96.5% of the Town's existing mapping is currently available. This GIS based mapping is often utilized for stormwater related investigations. A bound set of the Town's drainage plans has been given to the D.P.W. foremen and the Engineering Division so that if an illicit discharge occurs, the surrounding drainage system can be promptly and accurately located in the field. Also, a workstation that is used only for quick and easy access to the GIS data has been setup in the DPW plan room.

Mapping Stormwater Outfalls – The Town of Agawam with its consultant Tighe & Bond have applied for and been granted a State Revolving Funding (SRF) loan for the mapping of the drainage system town-wide.

Project Status:

Compilation of existing data - complete

Compilation of existing GIS data layers - complete

Update of existing GIS data layers - complete

Field locating of stormwater features – over 96.5% of known features located – complex field investigations continue.

Compilation of stormwater mapping – over 96.5% complete – complex investigations continue.

Records Management of record plans – complete – all record data has been input into the GIS database

Hardware and Software Purchase – complete – purchase of GPS unit and 2 workstations was implemented in Year 5. One workstation is used only for GIS mapping and research for quick and easy access to the data.

Training – Tighe &Bond provided some GPS training in 2006 and 2007; GIS training with Tighe & Bond took place late in Year 5 and additional training will take place in May of 2008.

An updated status map showing the progress on the mapping project may be found in Appendix 3A. It should be noted that all areas were investigated to the best of the ability of our mapping field crew. More complex investigations continue with the assistance of the DPW in order to complete mapping. Also, mapping continues to be updated as new construction is completed throughout Town.

Best Management Practice Assessment / Proposed Change

The GIS mapping project is over 96.5% 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.

Possible Future Activities

The D.P.W. hopes to finalize the mapping of the existing drainage system and continue to update the map as new projects are constructed in 2008. The outfall inspection program will continue and will be evaluated.

3B Non-Stormwater Discharge Ordinance

The Town intends to adopt an ordinance or other regulatory mechanism to prohibit non-stormwater discharges into the MS4 system. The Town will evaluate existing regulations in Year 1, prepare a draft ordinance in Year 2, and propose the new ordinance for adoption in Year 3. Pending adoption, the ordinance will be enforced in Years 3 through 5. The DPW will have responsibility for this BMP.

Year 5 Activities

As noted in permit year 4, the current Water and Sewer Ordinance has been revised to reflect the Federally Mandated Requirements prohibiting non-stormwater discharges into the MS4 system. The revised ordinance was approved by the City Council on May 15. 2006. The approved ordinance is currently being used and enforced.

Best Management Practice Assessment / Proposed Change

This ordinance has been enforced during permit year 5.

Possible Future Activities

The DPW will continue to educate the community regarding the new ordinance as well as enforce the ordinance regulations regarding non-stormwater discharges into the MS4 System.

3C Develop Illicit Discharge Plan

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 5 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 were made aware of an issue based upon resident complaints or observation by DPW personnel. Removal of illicit discharges has been based upon existing authority by the DPW to do so. Also, drainage system GIS mapping continues to be updated as new construction occurs and complex investigations are performed. As the mapping continues, the detailed evaluation of which areas to focus on for investigations will proceed.

See Appendix 3A.

During permit year 4, an Illicit Discharge Verbal Notice of Violation form was created. This form has been used since Year 4 as a method of notification and documentation by the DPW when Non-Stormwater Discharges are seen at a site that is in violation of Town Code.

See Appendix 3C

Best Management Practice Assessment / Proposed Change

The major focus of illicit discharge plan for year 4 was the development of new ordinances to address illicit discharges for site development. During Year 4, the ordinance was adopted by the City Council. Most of the staff's time was taken by plan review, storm drain permit administration and construction inspection. During years 4 and 5, illicit discharge investigations and removal were be based upon individual incidents. The illicit discharge plan will prioritize activities appropriately for the Town's needs.

Future Activities

As the Town continues to will work toward completing the GIS mapping of the existing drainage system and newly constructed systems, illicit discharge detection will be implemented based upon available time of DPW staff. The DPW will continue to promptly investigate illicit discharge complaints and observations by the Public or DPW workers and follow the Illicit Discharge Plan.

3D Inform Employees, Businesses, and Public

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 5 Activities

An Illicit Discharge educational pamphlet had been developed and continues to be available at the Department of Public Works Municipal Annex (As referenced in permit year 3). As documented during permit year 4, a new ordinance prohibiting illicit discharge had been adopted and design consultants and developers were notified of ordinance changes, fees and permit requirements within the town. The town continues to inform and educate as needed.

Best Management Practice Assessment / Proposed Change

No Proposed Changes.

Possible Future Activities

No changes to this BMP.

3E Video Inspection

The DPW will contract for the use of a video camera to inspect storm drain pipes as practicable to follow up on illicit discharges discovered during activities under BMP #3B. The DPW will be responsible for this BMP, which will continue for permit Years 3 through 5.

Year 5 Activities

The illicit discharge detection program is not yet at the stage where video inspections are used.

Best Management Practice Assessment / Proposed Change

During year 4, the DPW purchased a video camera system which has been used to investigate the condition of several drainage pipes. The camera works better on smaller diameter pipes, but is useable on larger pipes if needed. If it is necessary, when an illicit discharge is discovered under BMP #3B in larger diameter pipes, the DPW will contract for the use of a video camera.

Possible Future Activities

The DPW hopes to use the camera inspections more frequently in the future to investigate illicit discharges.

3F Failing Septic Systems

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 5 Activities

The Board of Health maintains records on all inspections involving septic systems. The BOH has forwarded a list of all failed systems from 2007 to the DPW. Septic System locations and their failures will be incorporated into the GIS stormwater mapping project at the appropriate time. See Appendix 3F.

Following the submittal and review of draft and final versions, the Secretary of Environmental Affairs issued a certificate on April 14, 2006, finding that the Final EIR adequately and properly complies with the Mass. Environmental Policy Act. Since that time, the preliminary design plans have been completed, permitting agencies contacted and construction costs updated. The right of way issues with Mass Highway has been resolved. The City is presently seeking input from those in the project area in the hope of developing a financial plan for the project satisfactory to those directly benefiting and the ratepayers.

Best Management Practice Assessment / Proposed Change

This original permit requirement is proceeding as scheduled.

Future Activities

No changes to this BMP.

3G Catch Basin Marking

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 5 Activities

Due to a lack of volunteers, no storm drains were marked this year.

Although, discussions are currently taking place to have two groups of volunteers go out in the Spring 08, pending the weather.

Leo Club members at Agawam High School are currently recruiting volunteers and researching areas within the town to mark drains.

The Westfield River Watershed Association is also seeking volunteers to help mark storm drains.

Best Management Practice Assessment / Proposed Change

The goal of supporting and supervising volunteers to mark catch basins during year five was not accomplished due to lack of volunteer participation.

Possible Future Activities

DPW will continue to seek volunteers to continue marking storm drains.

Minimum Control Best Management Practices

SECTION 4 - CONSTRUCTION SITE RUNOFF CONTROL

4A Construction Runoff Ordinance

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 5 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.

4B Construction Plan Review

Under the Construction Runoff Ordinance (or other regulatory mechanism), applicants with projects with disturbance over one acre will be required to submit sediment and erosion control plans for Town review and approval. Until a new ordinance is adopted (anticipated in Year 3), the Town will continue to review construction plans in accordance with existing regulations. Pending adoption, plans will be reviewed per the new ordinance in Years 3 through 5. The DPW, Planning Department, and Building Inspector have responsibility for this BMP.

Year 5 Activities

All construction sites within the jurisdiction of the Rivers Act and the Wetland Protection Act must submit plans to the Conservation Commission for review of proposed erosion and sediment control measures. These sites are inspected and overseen by the Conservation Commission.

All new subdivision submittals are required to include construction phase erosion and sediment control measures within the construction plan set. This includes both short-term and long term BMPs for the site.

The developers of all new subdivisions are required to submit the project's EPA NOI for construction activities, and give a courtesy copy of the SWPPP to the DPW.

DPW works with the Conservation Commission, developers, and property owners to alleviate erosion control problems as they occur.

A new ordinance addressing erosion and sediment control was adopted by the City Council in May of 2006 and is currently being implemented by the DPW.

Best Management Practice Assessment / Proposed Change

No change is proposed.

Possible Future Activities

The ordinance may be revised in order to clarify and improve the requirements.

4C Inspection / Reporting

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 5 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.

Future Activities

Inspections will occur as needed for relevant existing regulations.

MINIMUM CONTROL BEST MANAGEMENT PRACTICES

SECTION 5 POST CONSTRUCTION STORMWATER MANAGEMENT

5A Post Construction Runoff Ordinance

The Town intends to adopt an ordinance or other regulatory mechanism to address post construction runoff from projects with over one acre in total disturbance. The Town will evaluate existing regulations (including Zoning, Subdivision, and Wetlands regulations) in Year 1, prepare a draft ordinance in Year 2, and propose the new ordinance for adoption in Year 3. Pending adoption, the ordinance will be enforced in Years 3 through 5. The DPW, Planning Department, and Building Inspector have responsibility for this BMP.

Year 5 Activities

The current Water and Sewer Ordinance has been revised to reflect regulatory mechanisms to address post construction runoff from projects with over one acre in total disturbance. The revised edition was adopted by the City Council as of May 5, 2006.

The Conservation Commission through the Wetland Protection Act continues to regulate activities within and near wetland resource areas.

Best Management Practice Assessment / Proposed Change

No Proposed Changes.

Possible Future Activities

This ordinance will continue to be enforced and may be revised to help clarify and improve requirements as needed.

5B Site Plan Review

Under the Post Construction Runoff Ordinance (or other regulatory mechanism), applicants with projects with disturbance over one acre will be required to submit stormwater control plans for Town review and approval. Until a new ordinance is adopted (anticipated in Year 3), the Town will continue to review new development and redevelopment plans in accordance with existing regulations. Pending adoption, plans will be reviewed per the new ordinance in Years 3 through 5. The DPW, Planning Department, and Building Inspector have responsibility for this BMP.

Year 5 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.

Best Management Practice Assessment / Proposed Change

No proposed changes

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

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 5 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.

In the spring of 2007, 72 Private Homeowners with Detention Ponds located on their property were mailed Detention Pond Maintenance Reminder letters. The DPW actively inspected a number of D-Ponds, working closely with residents to bring the areas back to working conditions.

See Appendix 5C

Best Management Practice Assessment / Proposed Change

No Changes Proposed.

Possible Future Activities

Continue to inform and work with residents on improving the conditions of drainage systems and detention ponds throughout Town.

MINIMUM CONTROL BEST MANAGEMENT PRACTICES

SECTION 6 GOOD HOUSEKEEPING / POLLUTION PREVENTION

6A Municipal Maintenance Activity Program

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 5 Activities

The DPW has evaluated the BMPs shown on EPA's website regarding Pollution Prevention / Good Housekeeping for Municipal Operations and determined that several are significant to the Town of Agawam. Two policies and procedures were introduced to the DPW employees during Permit Year 5 as documented in section 6B.

See appendix 6B

Best Management Practice Assessment / Proposed Change

No changes at this time.

Possible Future Activities

The DPW will continue to review EPA's website regarding Pollution Prevention / Good Housekeeping for Municipal Operations and implement policies and training to employees as needed.

6B Training of Municipal Employees

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 training will be given in Year 2. An Annual Refresher in the form of a seminar or memorandum will be given each year for Years 3 through 5. The DPW has responsibility for this BMP.

Year 5 Activities

Discussions and coordination amongst DPW supervisors and Tighe & bond has occurred. Based on recommendations from Tighe & Bond, as well as 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.

1. Spill Response and Prevention
2. Vehicle Washing / Gray Water Rinse Area

See Appendix 6B

Best Management Practice Assessment / Proposed Change

No changes proposed at this time.

Future Activities

The DPW will continue to review EPA's website regarding Pollution Prevention / Good Housekeeping for Municipal Operations and implement policies and training to employees as needed.

6C Catch Basin Cleaning Program

The Town will develop a program with prioritized areas for catch basins in the urbanized area 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 5 Activities

The Town continues to use the previously developed catch basin cleaning priority area location list to determine where to focus their catch basin cleaning efforts. These priority areas are based on the locations in Town, which have significant hills and are thus subject to additional sanding during the winter season. During Permit Year 5, a limited number of basins were cleaned due to funding.

See Appendix 6C

Best Management Practice Assessment / Proposed Change

The Town of Agawam will continue to utilize funds, if available, for annual cleaning of catch basins within priority area. Catch Basin Cleaning could occur during the summer of 08, depending FEMA snow emergency reimbursement to the town and / or the FY09 budget appropriation. In addition, the DPW will document any spontaneous catch basin cleanings as they arise.

Possible Future Activities

The DPW will continue seek dedicated funds for catch basin cleaning during FY 09.

6D Street Sweeping

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 5 Activities

During Year 5, the DPW completed street sweeping in the following areas:

- 272.54 curb miles of roadway between April and June 1st.
- Additional sweeping included
  Water break cleanup of soil and salt
  Street sweeping prior to paving operations

Best Management Practice Assessment / Proposed Change

The Town of Agawam has successfully completed street cleaning to all streets in the urbanized area, including municipal building parking lots.

Possible Future Activities

The Town of Agawam will continue to provide street cleaning to all proposed areas as needed during the Summer, Fall and Spring quarters of the permit years.

6E Pest Control / Landscaping and Lawn Care

The Town will evaluate the use of toxic chemicals in Year 1 and continue to contract with licensed applicators only in Years 2 through 5. The DPW has the responsibility for this BMP.

Year 5 Activities

The DPW provides maintenance services for Parks, the Golf Course, and Schools. The application of fertilizers and pesticides are under the supervision of licensed pesticide applicator, thus the chemicals are used appropriately and the over-use of chemicals is avoided. The maintenance of the golf course includes the use of organic practices where appropriate.

Best Management Practice Assessment / Proposed Change

DPW will continue to utilize organic alternatives were practicable.

Possible Future Activities

The DPW intends to continue to utilize licensed contractors for grounds maintenance work.

6F Stormwater Pollution Prevention Plan / MSGP

A Stormwater Pollution Prevention Plan (SWPPP) will be implemented for the DPW facility under the EPA Phase II Stormwater Program Multi-Sector General Permit (MSGP). The DPW has the responsibility of this BMP, which will be utilized for Years 1 through 5.

Year 5 Activities

It is our understanding that as of this report date; EPA has delayed the Multi-Sector General Permit (MSGP) program for DPW facilities. A Spill Prevention Control and Countermeasure Plan (SPCC) has been in-place for the DPW maintenance facility since November 29, 2001. A SPCC Plan was recently received from the consultants at Tighe & Bond and signed by the DPW Superintendent, in accordance with the requirements of the U.S. EPA Oil Pollution Prevention Regulations (40 CFR Part 112.7). The Town's SPCC Plan describes oil storage at the facility and appropriate procedures, methods and equipment used to control and document oil spills and to 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 for an outline of the SPCC Plan.

Best Management Practice Assessment / Proposed Change

New DPW operations procedures have been implemented at the new DPW facility. A majority of the move to the new facility occurred late in permit Year 4; the only remaining operation to move to the new facility is the salt/sand storage. This project is expected to be completed during the summer of 2008. The DPW recently received an updated SPCC plan and environmental audit from Tighe & Bond in Year 5. See Appendix 6F for documentation.

Future Activities

Future activities include the construction of the new salt/sand storage building and modifying the SPCC plan as needed.

6G Used Oil Recycling

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 5 Activities

The Town of Agawam has continued to provide the residents of Agawam a local drop off location for waste oil.

3050 gallons of used motor oil were collected at the DPW Town Garage.

Best Management Practice Assessment / Proposed Change

The Town of Agawam has met its obligation to provide the residents with a drop-off location for used motor oil. The town feels it has provided ample notification to residents through flyers and telephone communication regarding the drop off location option.

Possible Future Activities

The Town of Agawam will continue to provide the residents a drop-off location for used motor oil and car batteries at no charge to the residents. The DPW will continue notifying residents using the cable access informational bulletin and or press releases.

6H Hazardous Waste Collection

The Town will continue its annual Hazardous Waste Collection Day subject to funding. Every fall, the Town publicizes the collection day through newspaper ads and radio and television ads. The DPW will continue to have the responsibility for this BMP, which will be utilized in Years 1 through 5.

Year 4 Activities

The Town of Agawam successfully hosted another annual Household Hazardous Waste collection day in the Fall 07. The following materials were diverted from the waste stream and illegal dumping:

- 450 pounds liquid pesticides
- 1500 pounds solid pesticides
- 400 pounds oxidizing liquid
- 120 pounds corrosive liquids
- 170 pounds caustic alkali liquids

- 40 pounds asbestos
- 120 pounds fluorescent bulbs
- 300 pounds household cleaners
- 2800 pounds flammable liquids
- 27 pounds mercury waste
- 25 pounds NiCad batteries
- 6400 pounds oil based paint
- 100 pounds grease

In addition to the annual HHW Day Event, the DPW now has a "by appointment only" drop off location for Mercury Bearing Waste. Materials are collected by

See Appendix 6H

Best Management Practice Assessment / Proposed Change

Due to available funding, the Town of Agawam has successfully met its goal to provide proper and safe disposal options to the residents for Household Hazardous Waste.

Possible Future Activities

The town will continue to provide proper disposal options to the residents, based on available funding.

MINIMUM CONTROL BEST MANAGEMENT PRACTICES

7A TMDL for the Connecticut River

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 5 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.