March 28, 2005

Linda M. Murphy, Director
Office of Ecosystem Protection
EPA – Region I
One Congress Street, Suite 1100
Boston, MA 02114-2023

Dear Ms. Murphy:

I am writing in response to your letter dated August 24, 2004, regarding MassHighway’s compliance with the NPDES General Permit for Small Municipal Separate Storm Sewer Systems. Your letter requested we amend the Storm Water Management Plan (SWMP) and NOI to provide further detail. Since then we have had several discussions with David Gray of your office regarding these revisions and have met with both EPA and DEP to discuss our proposed changes. The revisions to the SWMP are summarized below:

Illicit Discharge Prohibition

MassHighway is preparing an Illicit Drainage Connection Policy. This policy prohibits the connection of illicit and unauthorized discharges to the state highway drainage system and requires the disconnection of all such existing connections. This policy will soon be finalized and issued by the MassHighway Chief Engineer (May 2005).

MassHighway has also begun development of an updated Drainage Tie-In Standard Operating Procedure (SOP) for the Department. The SOP will expand the prohibition of “illicit” (i.e., non-storm water and/or unauthorized) discharges into MassHighway’s storm sewer system set by the Illicit Drainage Connection Policy to establish a comprehensive set of rules and uniformly regulate tie-ins to the MassHighway drainage system. The document is currently still in draft format and being reviewed internally. Once the SOP is finalized it will be sent to the Chief Engineer for issuance.

Development of a Storm Sewer Map

MassHighway will implement a multi-faceted approach to developing a drainage outfall map for the MassHighway roads within urbanized areas. The following is a brief summary of this approach with more detail included in the amended SWMP (dated 2/28/05):

Table 1: Minimum Control Measure 3 Implementation Schedule

<table>
<thead>
<tr>
<th>BMP ID#</th>
<th>BMP/ Measurable Goal</th>
<th>Target Date</th>
<th>Responsible Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>3A</td>
<td>Rest Area Lease Agreement requiring drainage information to be submitted for redevelopment</td>
<td>April 2005</td>
<td>Env. Section</td>
</tr>
<tr>
<td>BMP ID#</td>
<td>BMP/Measurable Goal</td>
<td>Target Date</td>
<td>Responsible Department</td>
</tr>
<tr>
<td>--------</td>
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<td>--------------------------------</td>
</tr>
<tr>
<td></td>
<td>conditions</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3B-1</td>
<td>Develop and implement specification for securing drainage information from future construction and redevelopment projects.</td>
<td>April 2006</td>
<td>Env. Section./Projects/Construction</td>
</tr>
<tr>
<td>3B-2</td>
<td>Complete field program mapping discharges from roads within urbanized areas.</td>
<td>March 2008</td>
<td>Env. Section</td>
</tr>
<tr>
<td>3C-1</td>
<td>Submit Illicit Drainage Connection Policy to Chief Engineer and Commissioner for issuance to Department.</td>
<td>March 2005</td>
<td>Env. Section</td>
</tr>
<tr>
<td>3C-2</td>
<td>Submit Drainage Tie-In SOP to Chief Engineer and Commissioner for issuance to Department.</td>
<td>February 2007</td>
<td>Env. Section</td>
</tr>
<tr>
<td>3D</td>
<td>Review twenty discharges each year for potential illicit connections.</td>
<td>March 2008</td>
<td>Env. Section/Districts</td>
</tr>
</tbody>
</table>

1. **Drainage Inventory** – MassHighway will use a multiple prong approach for creating the urbanized area discharge map including the following programs:
   a. include the drainage inventory specification in all future construction and redevelopment (which impact drainage systems) projects including roadway, rest area and maintenance facilities throughout the state;
   b. rest area drainage information gathered during lease renewal of rest areas undergoing redevelopment; and
   c. field inventories within each district.

2. **Illicit Connection Sampling Program** – MassHighway will review twenty discharges each permit year for potential illicit connections. The discharges reviewed will be based on dry weather flows identified during the field inventories or by MassHighway staff during routine operations. Dry weather flows will be sampled. A summary of the discharges reviewed will be included in that permit year’s annual report.

**Storm Water Management Handbook**


**TMDL Recommendations**

We have developed a TMDL Recommendation Summary Table. This table summarizes:
   a. TMDL recommendations which pertain to MassHighway,
   b. MassHighway programs which provide compliance with TMDL recommendations, and
   c. plans to implement additional BMPs to comply with the recommendations, if necessary.
Until the drainage inventory is completed for a road stretch within the TMDL watershed, MassHighway will be unable to provide specifics regarding number of discharges to the waterbody from MassHighway roads. Each annual report will summarize the discharges to TMDL watersheds as they are inventoried.

The storm water contaminant loading model, currently under development with the USGS, should assist MassHighway in determining the BMPs necessary for controlling any “pollutants of concern” in the runoff from our highways.

We have included the amended SWMP and NOI for your review. I have signed the NOI certification page, as requested. If you have any comments or questions, please contact Gregory Prendergast at (617) 973-7484.

Sincerely,

[Signature]

John Cogliano
Commissioner
Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Watershed Management

BRP WM 08A NPDES Stormwater General Permit

Notice of Intent for Discharges from Small Municipal Separate Storm Sewer Systems (MS4s)

A. Instructions

Submission of this Notice of Intent constitutes notice that the entity named at item B1. of this form intends to be authorized by the DEP General Permit issued jointly with EPA for stormwater discharges from the small municipal separate storm sewer system (MS4), in the location identified at item B2. of this form. Submission of the Notice of Intent also constitutes notice that the party identified at item B1. has read, understands and meets the eligibility conditions of Part I.B. of the NPDES Small MS4 General Permit, agrees to comply with all applicable terms and conditions of the NPDES Small MS4 General Permit, and understands that continued authorization to discharge is contingent on maintaining eligibility for coverage. In order to be granted coverage, all information required on BRP WM 08A, including the Stormwater Management Program Summary and Time Frames form, must be completed. Please read the permit and make sure you comply with all requirements, including the requirement to develop and implement a stormwater management program.

B. Applicant Information

1. Small MS4 Operator/Owner Information:

   MassHighway Department - Environmental Division
   Name
   10 Park Plaza Room 4260
   Mailing Address
   Boston MA
   City/Town
   (617) 973-7309
   Telephone Number
   Henry.Barbaro@state.ma.us
   Email (if available)

2. Municipality Name

   MassHighway Department
   City/Town

3. Legal Status:

   ☐ Federal ☐ City/Town ☒ State ☐ Tribal ☐ Private

   ☐ Other public entity: Specify Public Entity

4. Other regulated MS4(s) within municipal boundaries:

   Since MassHighway's properties are statewide, MassHighway's MS4 system is within municipal boundaries which may include regulated MS4s. A discharge inventory of the system within the urbanized area will be performed during this permit term and will include information on any discharges that flow to other regulated MS4s. This information will be summarized in annual reports submitted to EPA and DEP.

5. Based on the instructions provided in Part I of the NPDES Small MS4 General Permit, have the eligibility criteria for "listed species" and critical habitat been met?

   ☐ yes ☒ pending ☐ no
B. Applicant Information (cont.)

6. Based on the instructions provided in Part I of the NPDES Small MS4 General Permit, have the eligibility criteria for protection of historic properties been met?
   ☐ yes  ☒ pending  ☐ no

C. Names of (Presently Known) Receiving Waters

<table>
<thead>
<tr>
<th>Receiving Water:</th>
<th>No. of Outfalls</th>
<th>Listed as Impaired?</th>
<th>Impairment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outfalls within urbanized areas will be inventoried by the end of the permit term. Since outfalls have not currently been inventoried, a list of receiving waters can not be compiled. A list will be included in annual reports with the receiving waters for the outfalls inventoried at that time.</td>
<td>Number</td>
<td>☐ Yes ☐ No</td>
<td>Specify</td>
</tr>
<tr>
<td>Name</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note:
Section C may be duplicated to accommodate a larger list of receiving waters.
D. Stormwater Management Program Summary

1. Public Education:

<table>
<thead>
<tr>
<th>BMP ID #</th>
<th>MassHighway Training</th>
<th>Responsible Dept./Person Name</th>
<th>Continue MTAP Program</th>
<th>Specify Measurable Goal</th>
</tr>
</thead>
<tbody>
<tr>
<td>1A</td>
<td>MTAP</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1B</td>
<td>Baystate Roads</td>
<td>Responsible Dept./Person Name</td>
<td>Continue Baystate Roads Program</td>
<td>Specify Measurable Goal</td>
</tr>
<tr>
<td>1C-1</td>
<td>MassHighway Website</td>
<td>IT/Environmental</td>
<td>Add Environmental Division web page to web site.</td>
<td>Specify Measurable Goal</td>
</tr>
<tr>
<td>1C-2</td>
<td>MassHighway Website</td>
<td>IT/Environmental</td>
<td>Solicit public input and publicize storm water related initiatives.</td>
<td>Specify Measurable Goal</td>
</tr>
<tr>
<td>1C-3</td>
<td>MassHighway Website</td>
<td>IT/Environmental</td>
<td>Evaluate web page annually and revise as necessary.</td>
<td>Specify Measurable Goal</td>
</tr>
<tr>
<td>1D-1</td>
<td>Storm Water Training</td>
<td>Responsible Dept./Person Name</td>
<td>Conduct workshop for MassHighway personnel.</td>
<td>Specify Measurable Goal</td>
</tr>
<tr>
<td>1D-2</td>
<td>Storm Water Training</td>
<td>Responsible Dept./Person Name</td>
<td>Conduct workshop for municipal DPW personnel.</td>
<td>Specify Measurable Goal</td>
</tr>
<tr>
<td>1E</td>
<td>Construction Industries Article</td>
<td>Construction Division</td>
<td>Prepare and submit article re: Phase II requirements and MassHighway compliance procedures.</td>
<td>Specify Measurable Goal</td>
</tr>
</tbody>
</table>
Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Watershed Management  
**BRP WM 08A NPDES Stormwater General Permit**  
Notice of Intent for Discharges from Small Municipal Separate Storm Sewer Systems (MS4s)

<table>
<thead>
<tr>
<th>BMP ID #</th>
<th>Environmental/ Districts</th>
<th>Responsible Dept./Person Name</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>MassHighway/ Municipal Tie-In Review Process</td>
<td></td>
<td></td>
<td>Develop communication mechanism re: MassHighway drainage that discharges to a local MS4. Develop review process for addressing those concerns. Notify other MS4s of process. Specify Measurable Goal</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BMP ID #</th>
<th>Programs which are listed under other minimum control measures also include public education aspects (e.g. BMP 4H, 4L, 4M and 4N)</th>
<th>Responsible Dept./Person Name</th>
<th>Specify Measurable Goal</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tr>
</tbody>
</table>

2. Public Participation:

<table>
<thead>
<tr>
<th>2A</th>
<th>BMP ID #</th>
<th>Project Related Public Notification and Public Participation Requirements</th>
<th>Responsible Dept./Person Name</th>
<th>Specify Measurable Goal</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Environmental</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2B</th>
<th>BMP ID #</th>
<th>Adopt-a-Highway</th>
<th>Responsible Dept./Person Name</th>
<th>Specify Measurable Goal</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Adopt-a-Highway</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2C</th>
<th>BMP ID #</th>
<th>Project Clean</th>
<th>Responsible Dept./Person Name</th>
<th>Specify Measurable Goal</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Project Clean</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2D-1</th>
<th>BMP ID #</th>
<th>MassHighway Web Site</th>
<th>Responsible Dept./Person Name</th>
<th>Specify Measurable Goal</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>IT/Environmental</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2D-2</th>
<th>BMP ID #</th>
<th>MassHighway Web Site</th>
<th>Responsible Dept./Person Name</th>
<th>Specify Measurable Goal</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>IT/Environmental</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
3. Illicit Discharge Detection and Elimination:

<table>
<thead>
<tr>
<th>3A</th>
<th>BMP ID #</th>
<th>Rest Area Leases</th>
<th>Environmental/ Right-of-Way</th>
<th>Responsible Dept./Person Name</th>
<th>Develop electronic drainage requirements language for incorporation in Rest Area lease agreements when redevelopment is proposed. Specify Measurable Goal</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>3B-1</th>
<th>BMP ID #</th>
<th>Drainage Inventory</th>
<th>Environmental/ Construction/ Planning/ IT Division</th>
<th>Responsible Dept./Person Name</th>
<th>Develop Drainage Inventory Spec and include in future construction, and redevelopment projects. Specify Measurable Goal</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>3B-2</th>
<th>BMP ID #</th>
<th>Drainage Inventory</th>
<th>Environmental/ Districts/ IT</th>
<th>Responsible Dept./Person Name</th>
<th>Complete field program mapping of drainage outfalls within urbanized areas and develop maps. Specify Measurable Goal</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>3C-1</th>
<th>BMP ID #</th>
<th>Illicit Connection Prohibition</th>
<th>Environmental</th>
<th>Responsible Dept./Person Name</th>
<th>Submit Illicit Drainage Connection Policy to Chief Engineer and Commissioner for issuance to Department. Specify Measurable Goal</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>3C-2</th>
<th>BMP ID #</th>
<th>Drainage Tie-In SOP</th>
<th>Environmental</th>
<th>Responsible Dept./Person Name</th>
<th>Prepare an internal draft of a revised Drainage Tie-in SOP. Submit to Chief Engineer. Specify Measurable Goal</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>3D</th>
<th>BMP ID #</th>
<th>Illicit Connection Review</th>
<th>Environmental/ Districts</th>
<th>Responsible Dept./Person Name</th>
<th>Review twenty discharges each year for potential illicit connections. Specify Measurable Goal</th>
</tr>
</thead>
</table>

4. Construction Site Runoff Control:

<table>
<thead>
<tr>
<th>4A</th>
<th>BMP ID #</th>
<th>MassHighway Department Highway Design Manual</th>
<th>Environmental/ Construction/ Projects</th>
<th>Responsible Dept./Person Name</th>
<th>Continue to comply with erosion and sediment control requirements indicated in manual. Specify Measurable Goal</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMP ID #</td>
<td>BMP Description</td>
<td>Responsible Dept./Person Name</td>
<td>Comment</td>
<td></td>
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<td>------------------------------------------------------------------------</td>
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</tr>
<tr>
<td>4B</td>
<td>BMP ID # MA DEP Stormwater Management Policy</td>
<td>Environmental/ Construction/ Projects</td>
<td>Continue to meet criteria in Policy for projects subject to Wetlands Protection Act. Specify Measurable Goal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4C</td>
<td>BMP ID # NPDES Construction General Permit</td>
<td>Construction</td>
<td>Comply with general permit requirements, Specify Measurable Goal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4D</td>
<td>BMP ID # Other state environmental regulations or policy</td>
<td>Environmental/ Construction/ Projects</td>
<td>Continue compliance with other state environmental regulations and policies, Specify Measurable Goal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4E</td>
<td>BMP ID # MassHighway Storm Water Handbook</td>
<td>Environmental/ Construction/ Projects</td>
<td>Design projects in urbanized areas in compliance with Handbook, Specify Measurable Goal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4F</td>
<td>BMP ID # Standard Specification for Highway and Bridges</td>
<td>Environmental/ Construction/ Projects</td>
<td>Continue to include erosion and pollution prevention controls in bridge contracts, Specify Measurable Goal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4G</td>
<td>BMP ID # MassHighway Research Need Program</td>
<td>Environmental/ Construction</td>
<td>Continue support of this consortium, Continue to pursue applicable research projects, Specify Measurable Goal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4H</td>
<td>BMP ID # NPDES Phase II Notice</td>
<td>Construction Division</td>
<td>Develop and distribute a Notice from the MassHighway Chief Engineer to all pre-qualified Construction Contractors, Specify Measurable Goal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4I</td>
<td>BMP ID # Contract Bid Item and Special Provision for SWPPPs</td>
<td>Construction Division</td>
<td>Prepare a Contract Bid Item and Special Provision for inclusion in appropriate construction contracts, Specify Measurable Goal</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>4J</th>
<th>BMP ID #</th>
<th>Construction Division/ Chief Engineer</th>
<th>Responsible Dept./Person Name</th>
<th>Prepare field guide. Issue to Resident Engineers. Specify Measurable Goal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field Guide on Erosion Prevention and Sediment Control</td>
<td>Specify Best Management Practice</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4K</td>
<td>BMP ID #</td>
<td>Construction Division/ Districts</td>
<td>Responsible Dept./Person Name</td>
<td>Prepare SWPPP template. Implement on all appropriate projects. Revise, if necessary, during permit term. Convert into computer program. Specify Measurable Goal</td>
</tr>
<tr>
<td>Storm Water Pollution Prevention Plan (SWPPP) Template</td>
<td>Specify Best Management Practice</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4L-1</td>
<td>BMP ID #</td>
<td>Headquarters (sponsor)</td>
<td>Responsible Dept./Person Name</td>
<td>Conduct annual Erosion Prevention and Sediment Control Training for Construction Personnel. Specify Measurable Goal</td>
</tr>
<tr>
<td>Training</td>
<td>Specify Best Management Practice</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4L-2</td>
<td>BMP ID #</td>
<td>Bay State Roads/ Construction Division</td>
<td>Responsible Dept./Person Name</td>
<td>Sponsor and conduct Erosion and Sediment Control Workshop and Vendor Exhibit. Specify Measurable Goal</td>
</tr>
<tr>
<td>Training</td>
<td>Specify Best Management Practice</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4M</td>
<td>BMP ID #</td>
<td>Construction Division/ Districts/ Landscaping</td>
<td>Responsible Dept./Person Name</td>
<td>Perform field tests of new E&amp;S materials on MassHighway projects. Create and distribute internal memo summarizing materials effectiveness and recommended use. Specify Measurable Goal</td>
</tr>
<tr>
<td>Erosion and Sediment Control Field Tests</td>
<td>Specify Best Management Practice</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4N</td>
<td>BMP ID #</td>
<td>Construction Division</td>
<td>Responsible Dept./Person Name</td>
<td>Issue annual construction bulletins to each District regarding storm water issues. Specify Measurable Goal</td>
</tr>
<tr>
<td>Construction Bulletins</td>
<td>Specify Best Management Practice</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Programs which are listed under other minimum control measures also include construction site runoff controls aspects (e.g. BMP 1E)</td>
<td>Specify Best Management Practice</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
5. Post Construction Runoff Control:

5A
BMP ID #
MassHighway Stormwater Handbook
Specify Best Management Practice

Environmental Responsible Dept./Person Name
Specify Measurable Goal

5B-1
BMP ID #
MassHighway Maintenance Program
Specify Best Management Practice

Maintenance Responsible Dept./Person Name
Continue to implement MassHighway maintenance program.
Specify Measurable Goal

5B-2
BMP ID #
MassHighway Maintenance Program
Specify Best Management Practice

Construction/ Planning Division Responsible Dept./Person Name
Include Best Management Practices in drainage inventory database submission requirements.
Specify Measurable Goal

5C
BMP ID #
Technology Acceptance and Reciprocity Partnership (TARP)
Specify Best Management Practice

TARP Responsible Dept./Person Name
Continue to participate in TARP program.
Specify Measurable Goal

5D
BMP ID #
Stormwater Innovative Technology Evaluators (SITEs)
Specify Best Management Practice

SITEs Responsible Dept./Person Name
Continue to participate in Committee.
Specify Measurable Goal

5E
BMP ID #
Highway Runoff Contaminant Model
Specify Best Management Practice

Env. Div. Consultant Responsible Dept./Person Name
Develop and calibrate model.
Specify Measurable Goal

5F-1
BMP ID #
BMP Maintenance Manual
Specify Best Management Practice

Environmental/ Maintenance Responsible Dept./Person Name
Develop manual.
Specify Measurable Goal
### Notice of Intent for Discharges from Small Municipal Separate Storm Sewer Systems (MS4s)

**Transmittal Number**

<table>
<thead>
<tr>
<th>BMP ID #</th>
<th>Environmental/ Baystate Roads/ MTAP Responsible Dept./Person Name</th>
<th>Provide training on manual Specify Measurable Goal</th>
</tr>
</thead>
</table>

**BMP ID #**

<table>
<thead>
<tr>
<th>Right of Way Parcel Evaluation Specify Best Management Practice</th>
<th>Environmental Responsible Dept./Person Name</th>
<th>Develop and implement a program of evaluating parcels which are candidates for disposal by MassHighway for their potential in situing storm water BMPs Specify Measurable Goal</th>
</tr>
</thead>
</table>

**BMP ID #**

<table>
<thead>
<tr>
<th>Programs which are listed under other minimum control measures also include post-construction site runoff controls aspects (e.g. BMP# 4A and 4E) Specify Best Management Practice</th>
<th>Responsible Dept./Person Name</th>
<th>Specify Measurable Goal</th>
</tr>
</thead>
</table>

### 6. Municipal Good Housekeeping:

**BMP ID #**

<table>
<thead>
<tr>
<th>Source Control Specify Best Management Practice</th>
<th>Project Clean Responsible Dept./Person Name</th>
<th>Continue to support Project Clean Specify Measurable Goal</th>
</tr>
</thead>
</table>

**BMP ID #**

<table>
<thead>
<tr>
<th>Source Control Specify Best Management Practice</th>
<th>Adopt-a-Highway Responsible Dept./Person Name</th>
<th>Continue to support Adopt-a-Highway program Specify Measurable Goal</th>
</tr>
</thead>
</table>

**BMP ID #**

<table>
<thead>
<tr>
<th>Source Control Specify Best Management Practice</th>
<th>Environmental/ Districts Responsible Dept./Person Name</th>
<th>Continue to support Deicing and Reduced Salt Areas Programs Specify Measurable Goal</th>
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</table>

**BMP ID #**

<table>
<thead>
<tr>
<th>Source Control Specify Best Management Practice</th>
<th>HELP Responsible Dept./Person Name</th>
<th>Continue to support Highway Emergency Locator Program (HELP) Specify Measurable Goal</th>
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</table>

**BMP ID #**

<table>
<thead>
<tr>
<th>Source Control Specify Best Management Practice</th>
<th>Environmental Responsible Dept./Person Name</th>
<th>Continue development of Vegetation Management Plan Specify Measurable Goal</th>
</tr>
</thead>
</table>
Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Watershed Management  
BRP WM 08A NPDES Stormwater General Permit  
Notice of Intent for Discharges from Small Municipal Separate Storm Sewer Systems (MS4s)  

<table>
<thead>
<tr>
<th>BMP ID #</th>
<th>Source Control</th>
<th>Specify Best Management Practice</th>
<th>Planning</th>
<th>Responsible Dept./Person Name</th>
<th>Continue to support MassHighway HOV program. Specify Measurable Goal</th>
</tr>
</thead>
<tbody>
<tr>
<td>6A-6</td>
<td>Source Control</td>
<td>Specify Best Management Practice</td>
<td>Planning</td>
<td>Responsible Dept./Person Name</td>
<td>Continue to support alternative transportation through technical funding and assistance. Specify Measurable Goal</td>
</tr>
<tr>
<td>6A-7</td>
<td>Source Control</td>
<td>Specify Best Management Practice</td>
<td>Highway Design</td>
<td>Responsible Dept./Person Name</td>
<td>Continue to support highway safety. Specify Measurable Goal</td>
</tr>
<tr>
<td>6A-8</td>
<td>Source Control</td>
<td>Specify Best Management Practice</td>
<td>Environmental</td>
<td>Responsible Dept./Person Name</td>
<td>Continue support of Toxics Use Reduction (TURA) program. Specify Measurable Goal</td>
</tr>
<tr>
<td>6B-1</td>
<td>Employee Training</td>
<td>Specify Best Management Practice</td>
<td>MTAP/ Baystate Roads</td>
<td>Responsible Dept./Person Name</td>
<td>Continue to support MTAP and Baystate Roads program. Specify Measurable Goal</td>
</tr>
<tr>
<td>6B-2</td>
<td>Employee Training</td>
<td>Specify Best Management Practice</td>
<td>Environmental</td>
<td>Responsible Dept./Person Name</td>
<td>Continue Facility Handbook Training. Specify Measurable Goal</td>
</tr>
<tr>
<td>6B-3</td>
<td>Employee Training</td>
<td>Specify Best Management Practice</td>
<td>Highway Operations</td>
<td>Responsible Dept./Person Name</td>
<td>Continue Snow and Ice Program Training. Specify Measurable Goal</td>
</tr>
<tr>
<td>6B-4</td>
<td>Employee Training</td>
<td>Specify Best Management Practice</td>
<td>Highway Operations</td>
<td>Responsible Dept./Person Name</td>
<td>Continue Equipment and Vehicle Safety Training. Specify Measurable Goal</td>
</tr>
<tr>
<td>6C-1</td>
<td>Maintenance</td>
<td>Specify Best Management Practice</td>
<td>Districts</td>
<td>Responsible Dept./Person Name</td>
<td>Continue maintenance activities for storm water system. Specify Measurable Goal</td>
</tr>
<tr>
<td>6C-2</td>
<td>Maintenance</td>
<td>Specify Best Management Practice</td>
<td>Districts</td>
<td>Responsible Dept./Person Name</td>
<td>Continue maintenance activities and practices discussed in Environmental Facility Handbooks for maintenance/ material storage yards. Specify Measurable Goal</td>
</tr>
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</table>
6D
BMP ID #
Waste Disposal
Specify Best Management Practice

Districts
Responsible Dept./Person Name
Continue proper waste disposal practices.
Specify Measurable Goal

6E
BMP ID #
Good Housekeeping/ Pollution Prevention Program Evaluation
Specify Best Management Practice

Environmental
Responsible Dept./Person Name
Evaluate existing Good Housekeeping/ Pollution Prevention Programs to determine additional or revised activities that would increase effectiveness and usefulness of the programs.
Specify Measurable Goal

6F-1
BMP ID #
Roadway Inspection and Maintenance Record System
Specify Best Management Practice

Environmental/ Maintenance/ Districts
Responsible Dept./Person Name
Collect data for representative areas. Determine if the current inspection and cleaning schedule should be altered for particular areas.
Specify Measurable Goal

6F-2
BMP ID #
Roadway Inspection and Maintenance Record System
Specify Best Management Practice

Environmental/ Maintenance/ Districts
Responsible Dept./Person Name
Upon completion of the review, update Catch Basin Cleaning SOP, if necessary.
Specify Measurable Goal

6F-3
BMP ID #
Roadway Inspection and Maintenance Record System
Specify Best Management Practice

Districts
Responsible Dept./Person Name
Implement SOP.
Specify Measurable Goal

6F-4
BMP ID #
Roadway Inspection and Maintenance Record System
Specify Best Management Practice

Environmental/ Maintenance/ Districts
Responsible Dept./Person Name
Once drainage inventory is created for an area, add future catch basin cleaning information.
Specify Measurable Goal

7. BMPs for Meeting TMDL:

7D
BMP ID #
Environmental Site Data Form
Specify Best Management Practice

Environmental/ Construction
Responsible Dept./Person Name
Develop form and instructions. Designers to submit at 25% Design.
Contractors to submit as part of Construction SWPPP.
Specify Measurable Goal
Massachusetts Department of Environmental Protection  
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7E
BMP ID #
TMDL Recommendation
Summary Table Update
Specify Best Management Practice
Environmental
Responsible Dept./Person Name
Update table to include TMDL reports finalized within the previous year and progress on implementation of any related measurable goals in annual report each year.
Specify Measurable Goal

7F
BMP ID #
Rt 28 Roadway Drainage – Frost Fish Creek
Specify Best Management Practice
District/ Planning
Responsible Dept./Person Name
As part of the next Route 28 reconstruction project, the Massachusetts Highway Department will work with the Town to mitigate the Route 28 roadway drainage in the immediate area by installing practicable best management structures, or operational practices, as warranted by the magnitude of contaminant loading to Frost Fish Creek.
Specify Measurable Goal

7G
BMP ID #
Rt 28 Roadway Drainage – Muddy Creek
Specify Best Management Practice
District/ Planning
Responsible Dept./Person Name
As part of the next Route 28 reconstruction project, the Massachusetts Highway Department will determine the Route 28 roadway drainage area discharging to Muddy Creek and install practicable best management structures, or operational practices, as warranted by the magnitude of contaminant loading to Muddy Creek.
Specify Measurable Goal

7H
BMP ID #
Chicopee Basin Impaired Waterbodies TMDL
Specify Best Management Practice
Environmental/ Planning/ District
Responsible Dept./Person Name
Mass Highway will review projects within this watershed for opportunities to include additional BMPs within proposed projects if Mass Highway determines they will help address the pollutant loading issue.
Specify Measurable Goal

7I
BMP ID #
Connecticut Basin Impaired Waterbodies TMDL
Specify Best Management Practice
Environmental/ Planning/ District
Responsible Dept./Person Name
Mass Highway will review projects within this watershed for opportunities to include additional BMPs within proposed projects if Mass Highway determines they will help address the pollutant loading issue.
Specify Measurable Goal
Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Watershed Management

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7J
BMP ID #
French Basin Impaired Waterbodies TMDL
Specify Best Management Practice

Environmental/ Planning/ District
Responsible Dept./Person Name

MassHighway will review projects within this watershed for opportunities to include additional BMPs within proposed projects if MassHighway determines they will help address the pollutant loading issue.

Specify Measurable Goal

7K
BMP ID #
Indian Lake Impaired Waterbodies TMDL
Specify Best Management Practice

Environmental/ Planning/ District
Responsible Dept./Person Name

MassHighway will review projects within this watershed for opportunities to include additional BMPs within proposed projects if MassHighway determines they will help address the pollutant loading issue.

Specify Measurable Goal

7L
BMP ID #
Leesville Pond Impaired Waterbodies TMDL
Specify Best Management Practice

Environmental/ Planning/ District
Responsible Dept./Person Name

MassHighway will review projects within this watershed for opportunities to include additional BMPs within proposed projects if MassHighway determines they will help address the pollutant loading issue.

Specify Measurable Goal

7M
BMP ID #
Miller River Basin Impaired Waterbodies TMDL
Specify Best Management Practice

Environmental/ Planning/ District
Responsible Dept./Person Name

MassHighway will review projects within this watershed for opportunities to include additional BMPs within proposed projects if MassHighway determines they will help address the pollutant loading issue.

Specify Measurable Goal

7N
BMP ID #
Northern Blackstone Impaired Waterbodies TMDL
Specify Best Management Practice

Environmental/ Planning/ District
Responsible Dept./Person Name

MassHighway will review projects within this watershed for opportunities to include additional BMPs within proposed projects if MassHighway determines they will help address the pollutant loading issue.

Specify Measurable Goal
Massachusetts Department of Environmental Protection  
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<tbody>
<tr>
<td>Salisbury Pond Impaired Waterbody TMDL Specify Best Management Practice</td>
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<tr>
<th>BMP ID #</th>
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<tbody>
<tr>
<td>Programs which are listed under other minimum control measures also include BMPs for meeting TMDLs (e.g. BMP# 3B-1, 3B-2, 4B, 4E, and 5E) Specify Best Management Practice</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

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E. 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, I certify that 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.

Mr. John Cogliano, MassHighway Commissioner

Printed Name

Signature

[Signature]

Date

3/15/05