

## Office of the Commissioner

March 28, 2005

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

RECEIVED

APR 01 2005

U.S. EPA, Region I, Mail Room

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**

BMP ID#	BMP/ Measurable Goal	Target Date	Responsible Department
3A	Rest Area Lease Agreement requiring drainage information to be submitted for redevelopment	April 2005	Env. Section

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

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

The MassHighway Storm Water Handbook (dated May 2004) has been finalized and is posted on the MassHighway web site at <http://www.mhd.state.ma.us/mhd/enviro/publications.htm>.

TMDL Recommendations

We have developed a TMDL Recommendation Summary Table. This table summarizes:

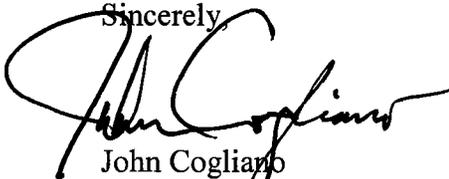
- a. TMDL recommendations which pertain to MassHighway,
- b. MassHighway programs which provide compliance with TMDL recommendations, and
- c. plans to implement additional BMPs to comply with the recommendations, if necessary.

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,

A handwritten signature in black ink, appearing to read "John Coglianor". The signature is stylized with a large initial "J" and "C".

John Coglianor  
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)**

Transmittal Number \_\_\_\_\_

Facility ID (if known) \_\_\_\_\_

**A. Instructions**

**Important:** When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



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

State

(617) 973-7309

Henry.Barbaro@state.ma.us

Telephone Number

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



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**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

**Note:**  
Section C may be duplicated to accommodate a larger list of receiving waters

**C. Names of (Presently Known) Receiving Waters**

Receiving Water:	No. of Outfalls	Listed as Impaired?	Impairment
<p>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.</p> <p>_____</p> <p>Name</p>	<p>_____</p> <p>Number</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p>_____</p> <p>Specify</p>



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**D. Stormwater Management Program Summary**

**1. Public Education:**

1A

BMP ID # \_\_\_\_\_

MassHighway Training  
Assistance Program (MTAP)  
Specify Best Management Practice

MTAP

Responsible Dept./Person Name \_\_\_\_\_

Continue MTAP Program

Specify Measurable Goal \_\_\_\_\_

1B

BMP ID # \_\_\_\_\_

Baystate Roads  
Specify Best Management Practice

Baystate Roads

Responsible Dept./Person Name \_\_\_\_\_

Continue Baystate Roads Program

Specify Measurable Goal \_\_\_\_\_

1C-1

BMP ID # \_\_\_\_\_

MassHighway Website  
Specify Best Management Practice

IT/Environmental

Responsible Dept./Person Name \_\_\_\_\_

Add Environmental Division web page  
to web site.

Specify Measurable Goal \_\_\_\_\_

1C-2

BMP ID # \_\_\_\_\_

MassHighway Website  
Specify Best Management Practice

IT/Environmental

Responsible Dept./Person Name \_\_\_\_\_

Solicit public input and publicize storm  
water related initiatives.

Specify Measurable Goal \_\_\_\_\_

1C-3

BMP ID # \_\_\_\_\_

MassHighway Website  
Specify Best Management Practice

IT/Environmental

Responsible Dept./Person Name \_\_\_\_\_

Evaluate web page annually and  
revise as necessary.

Specify Measurable Goal \_\_\_\_\_

1D-1

BMP ID # \_\_\_\_\_

Storm Water Training  
Workshop  
Specify Best Management Practice

Environmental/ MTAP

Responsible Dept./Person Name \_\_\_\_\_

Conduct workshop for MassHighway  
personnel.

Specify Measurable Goal \_\_\_\_\_

1D-2

BMP ID # \_\_\_\_\_

Storm Water Training  
Workshop  
Specify Best Management Practice

Environmental/ Baystate Roads

Responsible Dept./Person Name \_\_\_\_\_

Conduct workshop for municipal DPW  
personnel.

Specify Measurable Goal \_\_\_\_\_

1E

BMP ID # \_\_\_\_\_

Construction Industries Article  
Specify Best Management Practice

Construction Division

Responsible Dept./Person Name \_\_\_\_\_

Prepare and submit article re: Phase II  
requirements and MassHighway  
compliance procedures.

Specify Measurable Goal \_\_\_\_\_



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Facility ID (if known) \_\_\_\_\_

1F

BMP ID # \_\_\_\_\_

MassHighway/ Municipal Tie-  
In Review Process

Specify Best Management Practice

Environmental/ Districts

Responsible Dept./Person Name

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

BMP ID # \_\_\_\_\_

*Programs which are listed  
under other minimum control  
measures also include public  
education aspects (e.g. BMP  
4H, 4L, 4M and 4N)*

Responsible Dept./Person Name

Specify Measurable Goal

**2. Public Participation:**

2A

BMP ID # \_\_\_\_\_

Project Related Public  
Notification and Public  
Participation Requirements  
Specify Best Management Practice

Environmental

Responsible Dept./Person Name

Continue compliance with federal and  
state public notification and public  
participation requirements

Specify Measurable Goal

2B

BMP ID # \_\_\_\_\_

Adopt-a-Highway  
Specify Best Management Practice

Adopt-a-Highway

Responsible Dept./Person Name

Continue to support program.

Specify Measurable Goal

2C

BMP ID # \_\_\_\_\_

Project Clean  
Specify Best Management Practice

Project Clean

Responsible Dept./Person Name

Continue to support Project Clean.

Specify Measurable Goal

2D-1

BMP ID # \_\_\_\_\_

MassHighway Web Site  
Specify Best Management Practice

IT/Environmental

Responsible Dept./Person Name

Post Storm Water Management Plan  
to web site.

Specify Measurable Goal

2D-2

BMP ID # \_\_\_\_\_

MassHighway Web Site  
Specify Best Management Practice

IT/Environmental

Responsible Dept./Person Name

Post annual reports to the web site.

Specify Measurable Goal



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**3. Illicit Discharge Detection and Elimination:**

3A

BMP ID #

Rest Area Leases

Specify Best Management Practice

Environmental/ Right-of-Way

Responsible Dept./Person Name

Develop electronic drainage requirements language for incorporation in Rest Area lease agreements when redevelopment is proposed.

Specify Measurable Goal

3B-1

BMP ID #

Drainage Inventory

Specify Best Management Practice

Environmental/ Construction/  
Planning/ IT Division

Responsible Dept./Person Name

Develop Drainage Inventory Spec and include in future construction, and redevelopment projects .

Specify Measurable Goal

3B-2

BMP ID #

Drainage Inventory

Specify Best Management Practice

Environmental/ Districts/ IT

Responsible Dept./Person Name

Complete field program mapping of drainage outfalls within urbanized areas and develop maps.

Specify Measurable Goal

3C-1

BMP ID #

Illicit Connection Prohibition

Specify Best Management Practice

Environmental

Responsible Dept./Person Name

Submit Illicit Drainage Connection Policy to Chief Engineer and Commissioner for issuance to Department.

Specify Measurable Goal

3C-2

BMP ID #

Drainage Tie-In SOP

Specify Best Management Practice

Environmental

Responsible Dept./Person Name

Prepare an internal draft of a revised Drainage Tie-in SOP. Submit to Chief Engineer.

Specify Measurable Goal

3D

BMP ID #

Illicit Connection Review

Specify Best Management Practice

Environmental/ Districts

Responsible Dept./Person Name

Review twenty discharges each year for potential illicit connections.

Specify Measurable Goal

**4. Construction Site Runoff Control:**

4A

BMP ID #

MassHighway Department  
Highway Design Manual

Specify Best Management Practice

Environmental/ Construction/  
Projects

Responsible Dept./Person Name

Continue to comply with erosion and sediment control requirements indicated in manual.

Specify Measurable Goal



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Facility ID (if known) \_\_\_\_\_

4B

BMP ID # \_\_\_\_\_

MA DEP Stormwater  
Management Policy

Specify Best Management Practice

Environmental/ Construction/  
Projects

Responsible Dept./Person Name

Continue to meet criteria in Policy for  
projects subject to Wetlands  
Protection Act.

Specify Measurable Goal

4C

BMP ID # \_\_\_\_\_

NPDES Construction General  
Permit

Specify Best Management Practice

Construction

Responsible Dept./Person Name

Comply with general permit  
requirements.

Specify Measurable Goal

4D

BMP ID # \_\_\_\_\_

Other state environmental  
regulations or policy

Specify Best Management Practice

Environmental/ Construction/  
Projects

Responsible Dept./Person Name

Continue compliance with other state  
environmental regulations and  
policies.

Specify Measurable Goal

4E

BMP ID # \_\_\_\_\_

MassHighway Storm Water  
Handbook

Specify Best Management Practice

Environmental/ Construction/  
Projects

Responsible Dept./Person Name

Design projects in urbanized areas in  
compliance with Handbook.

Specify Measurable Goal

4F

BMP ID # \_\_\_\_\_

Standard Specification for  
Highway and Bridges

Specify Best Management Practice

Environmental/ Construction/  
Projects

Responsible Dept./Person Name

Continue to include erosion and  
pollution prevention controls in bridge  
contracts.

Specify Measurable Goal

4G

BMP ID # \_\_\_\_\_

MassHighway Research Need  
Program

Specify Best Management Practice

Environmental/ Construction

Responsible Dept./Person Name

Continue support of this consortium.  
Continue to pursue applicable  
research projects.

Specify Measurable Goal

4H

BMP ID # \_\_\_\_\_

NPDES Phase II Notice

Specify Best Management Practice

Construction Division

Responsible Dept./Person Name

Develop and distribute a Notice from  
the MassHighway Chief Engineer to all  
pre-qualified Construction Contractors.

Specify Measurable Goal

4I

BMP ID # \_\_\_\_\_

Contract Bid Item and Special  
Provision for SWPPPs

Specify Best Management Practice

Construction Division/  
Contracts

Responsible Dept./Person Name

Prepare a Contract Bid Item and  
Special Provision for inclusion in  
appropriate construction contracts.

Specify Measurable Goal



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Facility ID (if known) \_\_\_\_\_

4J

BMP ID # \_\_\_\_\_

Field Guide on Erosion  
Prevention and Sediment  
Control

Specify Best Management Practice

Construction Division/ Chief  
Engineer

Responsible Dept./Person Name

Prepare field guide. Issue to Resident  
Engineers.

Specify Measurable Goal

4K

BMP ID # \_\_\_\_\_

Storm Water Pollution  
Prevention Plan (SWPPP)  
Template

Specify Best Management Practice

Construction Division/ Districts

Responsible Dept./Person Name

Prepare SWPPP template. Implement  
on all appropriate projects. Revise, if  
necessary, during permit term.

Convert into computer program.

Specify Measurable Goal

4L-1

BMP ID # \_\_\_\_\_

Training

Specify Best Management Practice

Headquarters (sponsor)

Responsible Dept./Person Name

Conduct annual Erosion Prevention  
and Sediment Control Training for  
Construction Personnel.

Specify Measurable Goal

4L-2

BMP ID # \_\_\_\_\_

Training

Specify Best Management Practice

Bay State Roads/ Construction  
Division

Responsible Dept./Person Name

Sponsor and conduct Erosion and  
Sediment Control Workshop and  
Vendor Exhibit.

Specify Measurable Goal

4M

BMP ID # \_\_\_\_\_

Erosion and Sediment Control  
Field Tests

Specify Best Management Practice

Construction Division/ Districts/  
Landscaping

Responsible Dept./Person Name

Perform field tests of new E&S  
materials on MassHighway projects.  
Create and distribute internal memo  
summarizing materials effectiveness  
and recommended use.

Specify Measurable Goal

4N

BMP ID # \_\_\_\_\_

Construction Bulletins

Specify Best Management Practice

Construction Division

Responsible Dept./Person Name

Issue annual construction bulletins to  
each District regarding storm water  
issues.

Specify Measurable Goal

BMP ID # \_\_\_\_\_

*Programs which are listed  
under other minimum control  
measures also include  
construction site runoff  
controls aspects (e.g. BMP 1E)*

Specify Best Management Practice

Responsible Dept./Person Name

Specify Measurable Goal



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Transmittal Number \_\_\_\_\_

Facility ID (if known) \_\_\_\_\_

**5. Post Construction Runoff Control:**

5A

BMP ID # \_\_\_\_\_

MassHighway Stormwater Handbook  
Specify Best Management Practice

Environmental  
Responsible Dept./Person Name

Secure DEP ratification for MassHighway Storm Water Handbook.  
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



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Facility ID (if known) \_\_\_\_\_

5F-2

BMP ID # \_\_\_\_\_

BMP Maintenance Manual  
 Specify Best Management Practice

Environmental/ Baystate  
 Roads/ MTAP  
 Responsible Dept./Person Name

Provide training on manual.  
 Specify Measurable Goal

5G

BMP ID # \_\_\_\_\_

Right of Way Parcel Evaluation  
 Specify Best Management Practice

Environmental  
 Responsible Dept./Person Name

Develop and implement a program of  
 evaluating parcels which are  
 candidates for disposal by  
 MassHighway for their potential in  
 siting storm water BMPs.  
 Specify Measurable Goal

BMP ID # \_\_\_\_\_

*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

Responsible Dept./Person Name \_\_\_\_\_

Specify Measurable Goal \_\_\_\_\_

**6. Municipal Good Housekeeping:**

6A-1

BMP ID # \_\_\_\_\_

Source Control  
 Specify Best Management Practice

Project Clean  
 Responsible Dept./Person Name

Continue to support Project Clean.  
 Specify Measurable Goal

6A-2

BMP ID # \_\_\_\_\_

Source Control  
 Specify Best Management Practice

Adopt-a-Highway  
 Responsible Dept./Person Name

Continue to support Adopt-a-Highway  
 program.  
 Specify Measurable Goal

6A-3

BMP ID # \_\_\_\_\_

Source Control  
 Specify Best Management Practice

Environmental/ Districts  
 Responsible Dept./Person Name

Continue to support Deicing and  
 Reduced Salt Areas Programs.  
 Specify Measurable Goal

6A-4

BMP ID # \_\_\_\_\_

Source Control  
 Specify Best Management Practice

HELP  
 Responsible Dept./Person Name

Continue to support Highway  
 Emergency Locator Program (HELP).  
 Specify Measurable Goal

6A-5

BMP ID # \_\_\_\_\_

Source Control  
 Specify Best Management Practice

Environmental  
 Responsible Dept./Person Name

Continue development of Vegetation  
 Management Plan.  
 Specify Measurable Goal



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Facility ID (if known) \_\_\_\_\_

6A-6

BMP ID # \_\_\_\_\_

Source Control

Specify Best Management Practice

Planning

Responsible Dept./Person Name

Continue to support MassHighway  
HOV program.

Specify Measurable Goal

6A-7

BMP ID # \_\_\_\_\_

Source Control

Specify Best Management Practice

Planning

Responsible Dept./Person Name

Continue to support alternative  
transportation through technical  
funding and assistance.

Specify Measurable Goal

6A-8

BMP ID # \_\_\_\_\_

Source Control

Specify Best Management Practice

Highway Design

Responsible Dept./Person Name

Continue to support highway safety.

Specify Measurable Goal

6A-9

BMP ID # \_\_\_\_\_

Source Control

Specify Best Management Practice

Environmental

Responsible Dept./Person Name

Continue support of Toxics Use  
Reduction (TURA) program.

Specify Measurable Goal

6B-1

BMP ID # \_\_\_\_\_

Employee Training

Specify Best Management Practice

MTAP/ Baystate Roads

Responsible Dept./Person Name

Continue to support MTAP and  
Baystate Roads program.

Specify Measurable Goal

6B-2

BMP ID # \_\_\_\_\_

Employee Training

Specify Best Management Practice

Environmental

Responsible Dept./Person Name

Continue Facility Handbook Training.

Specify Measurable Goal

6B-3

BMP ID # \_\_\_\_\_

Employee Training

Specify Best Management Practice

Highway Operations

Responsible Dept./Person Name

Continue Snow and Ice Program  
Training.

Specify Measurable Goal

6B-4

BMP ID # \_\_\_\_\_

Employee Training

Specify Best Management Practice

Highway Operations

Responsible Dept./Person Name

Continue Equipment and Vehicle  
Safety Training

Specify Measurable Goal

6C-1

BMP ID # \_\_\_\_\_

Maintenance

Specify Best Management Practice

Districts

Responsible Dept./Person Name

Continue maintenance activities for  
storm water system.

Specify Measurable Goal

6C-2

BMP ID # \_\_\_\_\_

Maintenance

Specify Best Management Practice

Districts

Responsible Dept./Person Name

Continue maintenance activities and  
practices discussed in Environmental  
Facility Handbooks for maintenance/  
material storage yards.

Specify Measurable Goal



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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  
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)

Transmittal Number \_\_\_\_\_

Facility ID (if known) \_\_\_\_\_

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

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

7I

BMP ID #

Connecticut 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



Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Watershed Management

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Transmittal Number \_\_\_\_\_

Facility ID (if known) \_\_\_\_\_

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  
Bureau of Resource Protection - Watershed Management

**BRP WM 08A** NPDES Stormwater General Permit

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Storm Sewer Systems (MS4s)

Transmittal Number \_\_\_\_\_

Facility ID (if known) \_\_\_\_\_

70

BMP ID #

Salisbury Pond Impaired  
Waterbody TMDL

Specify Best Management Practice

Responsible Dept./Person Name

MassHighway has committed to DEP in its January 23, 2002 letter that streets will be swept at least once a year (usually in spring) and more often if necessary. All sumped drainage structures will be inspected and cleaned if necessary, twice a year and more often if necessary.

MassHighway will inspect/clean drainage outlet locations where sediment build-up is evident. MassHighway will inspect and repair damaged and/or clogged drainage conveyances.

Specify Measurable Goal

BMP ID #

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

Responsible Dept./Person Name

Specify Measurable Goal



**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)**

\_\_\_\_\_  
Transmittal Number

\_\_\_\_\_  
Facility ID (if known)

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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, Massachusetts Highway Commissioner

Printed Name

Signature

3/15/05

Date