



Organization: NH Department of Transportation (NHDOT)

EPA NPDES Permit Number: NHR043001

NHDOT Transmittal Number: N/A

Annual Report Number  
and Reporting Period: No. 1: July 30, 2003 to May 1, 2004

## NPDES PHASE II MS4 General Permit Annual Report

### Part I. General Information

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#### 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: \_\_\_\_\_

A handwritten signature in cursive script that reads "Carol A. Murray".

Printed Name: Carol A. Murray

Title: Commissioner, New Hampshire Department of Transportation

Date: \_\_\_\_\_

A handwritten date "5/11/04" in cursive script.



## Part II. Self Assessment

The New Hampshire Department of Transportation (NHDOT) is committed to develop, implement and enforce a program to reduce the discharge of pollutants from the regulated Small MS4's to the maximum extent practicable; protect water quality, and satisfy the water quality requirements of the Clean Water Act and the state water quality standards.

Given the limited resources available, the NHDOT has initiated a positive and proactive approach to dealing with the program requirements. The NHDOT has been very proactive in providing public education relative to the NPDES program. The Department feels this is the most important measure and will support the remaining five minimum measures (Minimum Measures 2-6). In the future, NHDOT will continue to keep education in the forefront while addressing this program. In addition, the New Hampshire "team" approach has been beneficial to all municipalities and non-traditionals involved. The NHDOT will continue to attend and/or coordinate the four (4) New Hampshire regional storm water group meetings.. In addition, a consulting firm has been retained to assist the NHDOT with the NPDES regulations and the development of an Action Plan. They are scheduled to start in May/June 2004, and retained for approximately two years.

The NHDOT hired an intern from the University of New Hampshire (UNH) to assist with Minimum Measure 3 (Illicit Discharge Detection and Elimination). She has been actively working with the Districts in developing a form that can be utilized by NHDOT personnel to assist them in identifying illicit discharges and also a format for documentation and follow-up. She is currently working on developing a manual to assist NHDOT personnel with complying and understanding the NPDES regulations. This manual will be a very beneficial tool to NHDOT personnel and will be shared with other State agencies and municipalities. Although her main focus was on Minimum Measure 3, she has provided valuable assistance with the entire Small MS4 program.

The Department has completed a self-assessment and has determined that our agency is in compliance with all permit conditions with the exception of the following provisions:

1. Public Education and Outreach – BMP #1H  
Please refer to *page 6* of the report for an explanation.
2. Public Participation and Involvement – BMP #2C  
Please refer to *page 9* of the report for an explanation.



CAROL A. MURRAY, P.E.  
COMMISSIONER

Following is an update on the Small MS4 NOI Part IB and IC:

- **Section IB(5) Federally-Listed Species**

The NHDOT will continue to review discharges as they are identified during the illicit discharge and detection program, the storm water drainage inventory, and also during the design phase of project development as part of the environmental (NEPA) review. The State of NH currently has no Federally-listed critical habitat based on consultation with the US Fish and Wildlife Service, (New England Field Office). The US Fish and Wildlife Service and the National Marine Fisheries Service have noted the short nosed sturgeon and the dwarf wedge mussel as two species of concern. These species have not been identified in any of the NH regulated Small MS4 communities. As noted in the "Response to Comments", page 4, no further consultation is necessary relative to EFH, unless duly noted.

- **Section IB(6) Historic Properties/Places**

The NHDOT will continue to review discharges as they are identified during the illicit discharge and detection program, the storm water drainage inventory and also during the design phase of project development as part of the environmental (NEPA) review. The NHDOT regularly consults with the NH Division of Historical Resources (NHDHR a.k.a. SHPO) to locate and identify National Register of Historic Places listed or eligible properties.

- **Section IC Receiving Waterbodies**

The NHDOT cannot list the waterbodies that receive storm water discharges from NHDOT-owned roadways within the regulated Small MS4 boundaries since the discharge locations have not been identified. The NHDOT does not anticipate having a complete list until the end of this first permitting term, and possibly into the second permitting term, due to the vast amount of outfalls associated with all NHDOT-owned roadways within the 45 regulated Small MS4 communities. To date, the NHDOT has not identified waterbodies that receive storm water discharges. As discharges are identified, they will be reviewed to determine if they discharge to a waterbody listed as impaired and/or with a TMDL. Evaluation of the receiving waters will reference the most current available data from the State TMDLs and 303(d) list. BMPs noted in Minimum Measure 3 will help us to catalog outfalls and identify illicit discharges during the first permit term.



## NPDES Phase II - Small MS4 General Permit Annual Report

### 1. Public Education and Outreach

BMP ID #	BMP Description	Responsible Dept./ Person Name	Measurable Goal	Progress on Goal(s) Permit Year 1 (2003)
<b>CURRENT PROGRAMS</b>				
<b>1A</b>	<b>Nonpoint Source Storm Water Display</b>			
	Showcase the NHDOT Nonpoint Source Storm Water Table at 6 NH State Fairs annually, and other appropriate locations (e.g. schools)	Bureau of Highway Maintenance	Note the approximate number of individuals that attended the NHDOT booth, specifically the storm water table.	<p>Displayed and demonstrated at the six (6) major State fairs. There was significant public interest, especially with children. There was no headcount taken to determine actual numbers.</p> <p>The display was also taken to the Atkinson Elementary School where it was presented to 5 elementary classes. This was noted in a NHDOT newsletter and a picture was noted on the front cover of NHDOT's Annual Report.</p> <p>The display was used for an interactive model for training NHDOT employees on NPDES. Approximately 15 employees attended.</p>
	Review current NHDOT performance questionnaire and update appropriately to elicit public opinion on storm water issues. Distribute at State Fairs.	Bureaus of Highway Maintenance and Environment	Summarize the responses and track the number of responses received.	The performance questionnaire has been reviewed and will be updated prior to the next annual report. The questionnaire had already been prepared prior to NO submission for the 2003 "fair" season.

NPDES Phase II - Small MS4 General Permit  
Annual Report

BMP ID #	BMP Description	Responsible Dept./ Person Name	Measurable Goal	Progress on Goal(s) Permit Year 1 (2003)	Planned Activities Year 2 (2004)
<b>1B</b>	<b>Meetings and Presentations with Professional, Private, and Public Organizations</b>				
	NHDOT will continue providing appropriate presentations to both public and private organizations relative to storm water issues and the NPDES Phase II program. NHDOT will attend appropriate presentations/workshops.	Commissioner's Office and Bureau of Environment	NHDOT will prepare a conference report of the individual presentations/ meetings and will summarize the findings to EPA in the annual report. A total number of presentations/meetings and the target audience within the reporting year will be documented.	See <b>Appendix A</b> Presentations have been well received. A conference report of individual presentations/conferences is available upon request.	Continue providing appropriate presentations to both public and private organizations.
	NHDOT will continue meeting with the surrounding New England states to coordinate programs and share information.	Commissioner's Office and Bureau of Environment	Meet at least annually. NHDOT will prepare a conference report of the individual meetings summarizing the topics discussed, materials distributed and follow-up on action items noted.	See <b>Appendix B</b> Cooperative efforts that involved other New England State Agencies were informative and beneficial to everyone.	Continue meeting and coordinating with other New England State Agencies to share information and efforts relative to storm water issues.
<b>1C</b>	<b>Provide NHDOT employees training on storm water related issues and the NPDES Phase II program</b>				
	NHDOT will continue providing appropriate presentations to Department staff relative to storm water issues and the NPDES Phase II program.	Commissioner's Office and Bureau of Environment	NHDOT will prepare a conference report of the individual presentations/meetings and will summarize the findings to EPA in the annual report. A total number of presentations/meetings and the target audience within the reporting year will be documented. A follow-up on identified issues will be noted and required actions identified.	See <b>Appendix C.</b> NHDOT personnel have conducted NPDES Awareness training to approximately 250 NHDOT personnel. Survey results are available upon request.	Continue providing training to Department Personnel. Modify the training based on a review of the post-surveys received from the NPDES Awareness training. Meet with the <i>Public Education and Outreach Team</i> to note the training needs and prioritize those needs.

NPDES Phase II - Small MS4 General Permit  
Annual Report

BMP ID #	BMP Description	Responsible Dept./ Person Name	Measurable Goal	Progress on Goal(s) Permit Year 1 (2003)	Planned Activities Year 2 (2004)
<b>1D</b>	<b>Sponsor A Highway</b>				
	Continue to support Sponsor A Highway program.	Bureaus of Highway Maintenance and Turnpikes	Quantity of roadside material collected	The NHDOT continues to support this program. It is tracked by the number of miles sponsored and number of bags of trash collected. See <b>Appendix D</b> .	NHDOT will continue supporting this program and providing annual data.
<b>1E</b>	<b>Guidance Materials</b>				
	Update current NPDES Phase II (Industrial Activities) guidance documents and evaluate the need for additional guidance.	Commissioner's Office and Bureau of Environment	Document the guidance document title and summarize the changes. Note any additional guidance materials that have been or will be developed.	Initial guidance document prepared by Nobis Engineering was adapted by the NHDOT for use in the District offices and distributed.	NHDOT will revise document to include updated BMPs and procedural guidelines to get to "no exposure". Also want to expand the guidance material to include contamination issues.
	Develop an employee-training program that addresses the needs of the Multi-Sector General Permit associated with vehicle and/or equipment maintenance.	Commissioner's Office and Bureau of Environment	Document progress of the development of appropriate training tool and the number of staff that attended/viewed the training materials.	Employees have all had general awareness training, but have not experienced education specific to this area.	Development of appropriate training tool will be undertaken by the <b>Industrial Activities</b> and <b>Public Education and Outreach Teams</b> and should be completed by the end of second year.

NPDES Phase II - Small MS4 General Permit  
Annual Report

BMP ID #	BMP Description	Responsible Dept./ Person Name	Measurable Goal	Progress on Goal(s) Permit Year 1 (2003)	Planned Activities Year 2 (2004)
<b>PROPOSED PROGRAMS</b>					
1F	<b>Develop Appropriate Media Campaign</b>				
	Assess available media options	Commissioner's Office and Bureaus of Highway Maintenance, Environment, Public Informational Officer, Transportation Planning, etc.	Note the various types of media options that were reviewed	<p>NHDOT personnel attended outreach workshops to help assist the NHDOT prepare an effective outreach campaign. The workshops and attendees follow:</p> <ul style="list-style-type: none"> <li>September 11, 2003 Getting <b><i>In Step (Maine)</i></b> Deb Loiselle and Russ St. Pierre</li> <li>October 20-23, 2003 <b><i>3<sup>rd</sup> National Conference: Nonpoint Source Pollution Information &amp; Education Programs</i></b> Deb Loiselle</li> <li>February 17-20, 2003 <b><i>A National Conference Urban Storm Water: Enhancing Programs at the Local Level</i></b> Deb Loiselle</li> <li>April 1, 2004 <b><i>Getting In Step (Manchester, NH)</i></b> Deb Loiselle Russ St. Pierre Bill Hauser Ron Crickard</li> </ul> <p>*NHDOT co-sponsored this workshop and received many verbal compliments. Awaiting written workshop survey results from TetraTech.</p>	Continue providing opportunities to NHDOT personnel relative to education and outreach. <b><i>Education and Outreach Team</i></b> will evaluate information to date and determine appropriate media campaigns for the Department.

NPDES Phase II - Small MS4 General Permit  
Annual Report

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	Implement a media campaign based on research and the results obtained. Funding availability will be a limiting factor	Same as above	Implement an appropriate media campaign based on market research.	No data required until permit year 3.	Work with the NHDOT Public Information Officer for future press releases.
1G	<b>Development of Enhanced Partnerships through Private and Public Organizations</b>				
	Attend and host meetings with organizations within the regulated communities. Review "team" approach method of fulfilling the storm water regulations.	Commissioner's Office and Bureau of Environment	Document the number of meetings held and/or organizations attending.	<p>NHDOT met regularly with four NH Regional Storm Water Groups. Meeting dates and groups follow:</p> <p><b>Atkinson-Area Storm Water Group:</b>  October 16, 2003  December 2003- <i>cancelled</i>  February 19, 2004  April 16, 2004</p> <p><b>Manchester-Area Storm Water Group:</b>  July 15, 2003  October 7, 2003  December 2, 2003  January 20, 2004  March 2, 2004</p> <p><b>Nashua-Area Storm Water Coalition:</b>  January 30, 2003- (<i>NPDES overview to Town Officials</i>)  November 5, 2003  January 14, 2004  March 10, 2004</p> <p><b>Seacoast-Area Storm Water Group:</b>  June 25, 2003  September 10, 2003  November 21, 2003  January 28, 2004  March 16, 2004 <i>"Let's Talk Storm Water"</i></p>	Continue meeting with the four (4) NH Regional Storm Water Groups to discuss common issues of concern and sharing of information.



NPDES Phase II - Small MS4 General Permit  
Annual Report

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	Formalize partnerships through MOU's or other appropriate mechanisms.	Commissioner's Office and Bureau of Environment	Number of partnerships formed.	NHDOT has had discussions with the regulated Small MS4 municipalities relative to the development of appropriate MOU's, however, none have been completed to date. NHDOT has been represented at all of the NH Regional Storm Water Group meetings (see BMP #1G(a) above). The groups' commitment is vested and we do not feel that a "formal" MOU is warranted for each of the regional storm water groups.	Where appropriate, MOU's will be formulated and implemented. NHDOT and the municipalities will determine which activities require this type of agreement. It is unknown at this time. Consider other appropriate mechanisms.
<b>1H</b>	<b>Transportation Enhancement (TE) Opportunities</b>				
	Biannually review the opportunity to apply for TE funds in order to mitigate water quality impairments from roadway runoff. Program TE projects for this purpose.	Commissioner's Office and Bureau of Environment	Note the project type, location, and whether the project was selected by the committee. If project is selected, report on the status.	NHDOT did not submit a proposal for the 2003 TE funds due to timing and lack of information for a proper proposal. The 2003 TE proposals were due on July 31, 2003, only 1 day after the Small MS4 NOI was due. Due to the lack of personnel, the Small MS4 NOI submittal was considered a priority. In addition, the Office of State Planning (OSP), was being reorganized during this time and they were unable to supply the Department with the appropriate information.	The Department will work with the Office of Energy and Planning (OEP), NHDES, and others (to be determined) to prepare an appropriate submission for the 2005 TE round. The Department will meet with appropriate personnel in the near future to determine the scope of work.

NPDES Phase II - Small MS4 General Permit  
 Annual Report

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11	<b>Special Events</b>				
	Research the types of special events (ex. Earth Day, local fairs, Wild NH, etc) and determine appropriate involvement.	Commissioner's Office and Bureau of Environment	Note the event and the type of involvement from NHDOT. Note the number of events per year.	The Department reissued its policy on erosion and sedimentation control and storm water management to all of the Bureau Administrators via email on Earth Day (April 22, 2004). Following is an excerpt from the policy: <i><b>"In the spirit of environmental protection, please make a commitment with me to champion this policy. We have the unique opportunity to leave a dual legacy for our descendants – a safe and efficient transportation system and a clean and healthy environment."</b></i> See Appendix E	Continue data collection on the type and frequency of events. Contact with events groups such as NH Fair Association, Department of Agriculture, DRED and others.

NPDES Phase II - Small MS4 General Permit  
Annual Report

2. Public Participation and Involvement

BMP ID #	BMP Description	Responsible Dept./ Person Name	Measurable Goal	Progress on Goal(s) Permit Year 1 (2003)	Planned Activities Year 2 (2004)
<b>CURRENT PROGRAMS</b>					
<b>1D</b>	<b>Sponsor A Highway</b>				
	Continue to support Sponsor A Highway program.	Bureaus of Highway Maintenance and Turnpikes	Quantity of roadside material collected.	The NHDOT continues to support this program. It is tracked by the number of miles sponsored and number of bags of trash collected. See <b>Appendix D</b>	NHDOT will continue supporting this program and providing annual data.
<b>2A</b>	<b>Stakeholders Meetings</b>				
	Meet with the stakeholders responsible for the development of this NHDOT SWMP. These individuals are comprised of both NHDOT staff as well as individuals from other State Agencies and private professionals.	Commissioner's Office and Bureau of Environment	Meet at least annually to review the status and effectiveness of the SWMP. Review the identified BMPs for the upcoming year and provide input for the annual report.	NHDOT conducted brainstorming sessions and follow-up reviews with representatives of outside agencies and organizations to develop SWMP. NHDOT continues to meet with these and other organizations as appropriate.	NHDOT has developed individual teams to develop or modify the elements of the SWMP as appropriate.
<b>2B</b>	<b>Continue Cooperation/ Coordination Efforts with Regulated Municipalities</b>				
	Continue meeting with regulated communities and work on the addition of regulated communities that NHDOT is not involved with currently. Meet at least annually with the communities either individually or as a group, to come up with an integrated approach to fulfilling the storm water program.	Commissioner's Office and Bureau of Environment	Aim for cooperative efforts with all of the regulated communities (municipalities, bordering states, and non-traditional). Document the number and summary of the meetings. Note how many new regulated communities are working with NHDOT.	Prior to the July 30, 2003 Small MS4 NOI submission there were two NH regional storm water groups (Manchester-area and Seacoast Storm Water Coalition). NHDOT was instrumental in forming two additional groups as well as increasing membership of the Seacoast Coalition. The two regional storm water groups that were added include the Atkinson-area and Nashua-area	NHDOT will continue attending and/or coordinating the 4 NH Regional Storm Water Groups. Attendance and cooperation is imperative to the success of the NPDES program.

NPDES Phase II - Small MS4 General Permit  
Annual Report

BMP ID #	BMP Description	Responsible Dept./ Person Name	Measurable Goal	Progress on Goal(s) Permit Year 1 (2003)	Planned Activities Year 2 (2004)
				Storm Water Groups. Membership of the Seacoast Coalition has increased from the original 6 to 11. The group has also decided to go beyond the "state" boundaries and include representation from the bordering Maine communities and the Pease Tradeport. They will be attending the May 19, 2004 meeting.  Meeting minutes are available upon request.	
<b>2C</b>	<b>NHDOT Public Meetings</b>				
	Continue providing public involvement with NHDOT projects through Public Officials and Public Informational Meetings, as well as Public Hearings. Engage the public in specific discussions of storm water management issues.	Commissioner's Office, Bureaus of Environment and Highway Design	Coordinate with the Project Managers and document the number of public meetings that occurred within the regulated communities. Document any water quality issues that were brought to the Department's attention.	The NHDOT conducted meetings within the regulated communities to discuss project issues. Storm water issues were discussed in association with other environmental concerns.	Storm water management will be addressed for projects within the regulated Small MS4 Communities during public hearings.
	Update the environmental initial contact letters to public officials and other State Agencies to include inquiries about storm water issues and concerns	Commissioner's Office and Bureau of Environment	Track responses.	The Bureau of Environment's (BOE) initial contact letters have not yet been updated to include specific reference to storm water concerns.	The BOE will include the municipality's storm water coordinator in its initial contact letters as appropriate.
<b>2C</b>	<b>NHDOT Public Meetings (Continued)</b>				
	Request a copy of all regulated communities' Small MS4 NOIs in order to develop cooperative efforts to achieve the overall storm water goals.	Commissioner's Office and Bureau of Environment	List the communities in which NOIs were requested. Note communities that submitted their NOIs to NHDOT	On August 25, 2003, NHDOT sent a letter to all NH regulated Small MS4 communities and non-traditionals requesting a copy of individual Small	Re-contact the two regulated Small MS4 communities (municipal and non-traditional) to obtain a copy of their Small MS4 NOI. Coordinate with

NPDES Phase II - Small MS4 General Permit  
Annual Report

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				MS4 NOIs. A copy of the NHDOT SWMP Summary was also included with each letter. To date we have received all but two (2).	NHDES if unsuccessful.
	<b>PROPOSED PROGRAMS</b>				
<b>2D</b>	<b>NHDOT Storm Water Website</b>				
	Research currently available websites and determine the appropriate NHDOT website design. Meet with the Bureau of ITS regarding the design and implementation.	Bureaus of ITS, Environment and Highway Maintenance	Document meetings held and websites reviewed.	The Bureau of Environment is working on a "bureau" website, and a "storm water" portion will be incorporated. Information has been supplied to the Bureau of ITS.	Bureau of Environment staff will work on making the "storm water" portion of the website interactive, informative and useful to Department personnel and the public.
	Implement the website.	Bureaus of ITS, Environment and Highway Maintenance	Record the hits.	No action required until permit years 3-5.	N/A
<b>2E</b>	<b>Public Survey</b>				
	Develop a community regional survey to assess needs and current programs within communities	Commissioner's Office and Bureau of Environment	Summarize the survey and determine what types of programs will need to be prepared in order to minimize or eliminate the issue(s) of concern.	No action required until permit years 3-5	N/A
<b>1B</b>	<b>Meetings and Presentations with Professional, Private and Public Organizations</b>				
	NHDOT will continue providing appropriate presentations to both public and private organizations relative to storm water issues and the NPDES Phase II program. NHDOT will attend appropriate presentations/workshops.	Commissioner's Office and Bureau of Environment	NHDOT will prepare a conference report of the individual presentations/ meetings and will summarize the findings to EPA in the annual report. A total number of presentations/meetings and the target audience within the reporting year will be documented	See <b>Appendix A</b> Presentations have been well received. A conference report of individual presentations/conferences is available upon request.	Continue providing appropriate presentations to both public and private organizations.

NPDES Phase II - Small MS4 General Permit  
Annual Report

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./ Person Name	Measurable Goal	Progress on Goal(s) Permit Year 1 (2003)	Planned Activities Year 2 (2004)
<b>CURRENT PROGRAMS</b>					
<b>3A</b>	<b>Update Current Guidance</b>				
	Review and update the driveway permit manual and incorporate storm water information and guidance into it.	Bureau of Highway Maintenance	Announce the changes in the guidance document.	No action required until years 2-3.	The <i>Illicit Discharge Detection and Elimination Team</i> will review, comment and make appropriate revisions to documents.
	Review and update the approval letter to property owners in order to make connection to State-owned separate storm sewer systems. Provide wording to address storm water and illicit discharge.	Bureau of Highway Maintenance	Announce the changes to the letter.	No action. required until years 2-3	The <i>Illicit Discharge Detection and Elimination Team</i> will review, comment and make appropriate revisions to documents.
<b>PROPOSED PROGRAMS</b>					
<b>3B</b>	<b>Drainage Map</b>				
	Map all drainage conveyances within the regulated Small MS4 communities. Survey the regulated Small MS4 communities to determine their mapping status and data collection method. Prepare an RFP for mapping of drainage. Determine the cost and length of time to complete mapping for 45 communities.	Commissioner's Office, Bureaus of Environment, Highway Design, and, Transportation Planning	Survey the regulated Small MS4 communities.	A survey on the status of each community's mapping status, the current and projected cost, and the estimated completion of the project has been conducted on all regulated communities. The NHDOT has heard from a large portion of the communities and prepared the results of the survey in table format. From this survey, the NHDOT has also been able to develop new contacts, as well as obtain open feedback from communities on future workshops. Copies of the survey results and feedback are available upon request.	Completed

NPDES Phase II - Small MS4 General Permit  
Annual Report

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		Commissioner's Office, Bureaus of Environment, Highway Design, and, Transportation Planning	Document the communities that have mapping completed over the 5-year period. <i>Based on extensive amount of mapping and funding, this effort may not be completed until the second permit term.</i>	Inventory and inspection was done on all culverts ranging in size from 36-120 inches within the right-of-way along Interstates 89, 93, 95 and the Spaulding and Central NH Turnpikes. Inventories were done within the regulated Small MS4 communities contained within the project boundaries noted above.	Obtain GIS information from the efforts done during permit year 1.  Continue mapping efforts as funding allows.
3C	<b>Illicit Detection and Elimination Program</b>				
	Determine a process to detect and eliminate illicit discharge and/or connections. Meet with local communities and other appropriate State Agencies to determine the best method. NHDOT will adopt an approved policy and procedural guideline and train personnel in its implementation.	Commissioner's Office and Bureau of Environment	Document progress annually.	After reviewing existing guidance documents from NHDOT and other New England Transportation Agencies, Organizations, and Institutions, the NHDOT is in the process of developing a comprehensive plan to detect and eliminate sources of illicit discharge. The NHDOT is already working with current state agencies, communities, and individuals within the department to develop this systematic plan. A beginning draft of this plan is available upon request.	Continue working toward a NHDOT policy and procedural guideline.

## NPDES Phase II - Small MS4 General Permit Annual Report

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	Develop a prioritization program to address areas of high complaint, public resources, drinking water sources, and coastal areas.	Commissioner's Office and Bureau of Environment	Develop a priority list and procedures.	The NHDOT has determined the location of maintenance sheds in respect to watersheds and coastal areas in regulated areas under NPDES Phase II. This information will be incorporated with existing data to understand the sheds' relative location to drinking, natural, and other public resources.	Develop a prioritization program to address the noted areas.
<b>3D</b>	<b>Survey Bureaus of Highway Maintenance and Turnpikes Personnel</b>				
	Survey the District highway maintainers to determine the types of non-storm water materials entering the MS4s and Waters of the US.	Bureaus of Highway Maintenance, Turnpikes, and Environment	Summarize the survey and determine what types of education and guidance documents will need to be prepared in order to minimize or eliminate the issue(s) of concern.	No action required until years 2-3.	Survey the District highway maintainers.
<b>1C</b>	<b>Provide NHDOT employees training on storm water related issues and the NPDES Phase II program</b>				
	NHDOT will continue providing appropriate presentations to Department staff relative to storm water issues and the NPDES Phase II program.	Commissioner's Office and Bureau of Environment	NHDOT will prepare a conference report of the individual presentations/ meetings and will summarize the findings to EPA in the annual report. A total number of presentations/meetings and the target audience within the reporting year will be documented. A follow-up on identified issues will be noted and required actions identified.	See <b>Appendix C</b> . NHDOT personnel have conducted NPDES Awareness training to approximately <b>250</b> NHDOT personnel.	Continue providing training to Department Personnel. Modify the training based on a review of the post-surveys received from the NPDES Awareness training. Meet with the <b>Public Education and Outreach Team</b> to note the training needs and prioritize those needs.



**NPDES Phase II - Small MS4 General Permit  
Annual Report**

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<b>1E</b>	<b>Guidance Materials</b>				
	Update current NPDES Phase II (Industrial Activities) guidance documents and evaluate the need for additional guidance.	Commissioner's Office, Bureaus of Highway Maintenance, Turnpikes, Bridge Maintenance, Traffic, Mechanical Services and Environment	Document the guidance document title and summarize the changes. Note any additional guidance materials that have been or will be developed.	Initial guidance document prepared by Nobis Engineering was adapted by the NHDOT for use in the District offices and distributed.	NHDOT will revise document to include updated BMPs and procedural guidelines to get to "no exposure". Also want to expand the guidance material to include contamination issues.
	Develop an employee-training program that addresses the needs of the Multi-Sector General Permit associated with vehicle and/or equipment maintenance.	Commissioner's Office and Bureau of Environment	Document progress of the development of appropriate training tool and the number of staff that attended/viewed the training materials.	Employees have all had general awareness training, but have not experienced education specific to this area.	Development of appropriate training tool will be undertaken by the "Industrial Activities" Team and should be completed by the end of second year.

NPDES Phase II - Small MS4 General Permit  
Annual Report

4. Construction Site Runoff Control

BMP ID #	BMP Description	Responsible Dept./ Person Name	Measurable Goal	Progress on Goal(s) Permit Year 1 (2003)	Planned Activities Year 2 (2004)
	<b>CURRENT PROGRAMS</b>				
<b>4A</b>	<b>Erosion and Sedimentation Control Plan Review</b>				
	Continue reviewing and commenting on, and approving the project-specific erosion and sedimentation control plans.	Commissioner's Office, Bureaus of Construction and Environment	Review, update and document the results of the project-specific Field Reports.	The NHDOT reviewed approximately seventy erosion and sedimentation control plans and evaluated the same with the Field Reports.	The NHDOT will continue reviewing and evaluating erosion control plans for appropriateness and completeness.
			Track performance of erosion and sedimentation control plan designers.	NHDOT provided designers with a "Letter of Expectations and Goals" with respect to the development and implementation of the erosion control plans.	The NHDOT will continue to review erosion control measures in the field and evaluate their success or failure.
<b>4B</b>	<b>Routine Roadway Maintenance Activities in NH</b>				
	Provide training to the Division of Operations, and others as appropriate, relative to the document titled, "Routine Roadway Maintenance Activities in NH". Implement appropriate BMPs as noted therein.	Bureaus of Highway Maintenance, Construction, and Environment	Document the number of training sessions provided annually. Also note the audience and approximate number of attendees. Field review implementation of BMPs, noting successes and deficiencies	Training was provided to 4 of 6 Maintenance Districts. Twenty-two NHDOT maintenance projects were reviewed and documented. These projects utilized the Permit by Notification (PBN) process.	Training on appropriate BMP implementation will continue in the Districts, as well as inspection and documentation of completed projects. New procedures will be reviewed as appropriate.
<b>4C</b>	<b>Storm Water Management Erosion and Sedimentation Control Reference Manuals</b>				
	Continue utilizing the storm water management erosion and sedimentation control manuals	Bureaus of Highway Design, Construction and Environment	Review manuals and reference materials to ensure that they remain in compliance with all Federal and State regulations.	The NHDOT currently utilizes several erosion control manuals in designing appropriate measures.	The NHDOT will continue to design and implement BMPs according to the best available information. The <i>Construction Team</i> will consider the need to consolidate and update the available information into a single document.

NPDES Phase II - Small MS4 General Permit  
Annual Report

BMP ID #	BMP Description	Responsible Dept./ Person Name	Measurable Goal	Progress on Goal(s) Permit Year 1 (2003)	Planned Activities Year 2 (2004)
<b>4D</b>	<b>Meetings with EPA Region 1 and NHDES</b>				
	Meet with EPA Region 1 and NHDES at least annually to discuss water quality issues associated with construction-related activities.	Commissioner's Office and Bureau of Environment	Provide a conference report of the meeting agenda, attendees, points of interest and action items. Provide the conference report as an attachment to the annual report. Note changes as a result of meetings.	<p>NHDOT hosted a meeting on June 30, 2003, with EPA-Region 1 relative to construction-related issues. A Representative from NHDES was invited but did not attend. Several personnel from various bureaus within the Department attended, in addition to a Consultant assisting the Department with producing a template SWPPP. The meeting was very productive and the Department and EPA-Region 1 were able to better understand, and define, issues.</p> <p>Representatives from NHDOT met with Thelma Murphy to further discuss the issues brought up at the June 30, 2003 meeting.</p>	<p>Continue communication efforts with EPA Region-1 and NHDES relative to construction-related issues. Follow-up on questions that need further clarification and address new questions/issues faced by the Department.</p> <p>Invite EPA-Region 1 for a field review of several active NHDOT projects during the 2004 construction season. The NHDOT will seek comments relative to project activities specific to the CGP.</p>
<b>4E</b>	<b>Project Design</b>				
	Appropriate drainage will continue to be part of the transportation design phase. Review all projects currently in the design phase. Water quality improvements will be given great consideration.	Bureaus of Environment and Highway Design	Meet at least annually with the Environmental Managers and Project Managers to discuss and document proposed projects as well as completed projects relative to water quality BMPs that will be or have been employed.	Storm water awareness training was provided to approximately 100 individuals from the Bureaus of Highway and Bridge Design, project managers and Project Development staff. Discussions included appropriate BMPs.	Additional training and/or updates from the appropriate teams will be made annually.

NPDES Phase II - Small MS4 General Permit  
Annual Report

BMP ID #	BMP Description	Responsible Dept./ Person Name	Measurable Goal	Progress on Goal(s) Permit Year 1 (2003)	Planned Activities Year 2 (2004)
			Inventory installed BMPs.	Determined that inventory of BMPs could best be accomplished utilizing the MATS program.	Will utilize the MATS program, when it becomes available in July of 2004, to inventory BMP construction.
<b>PROPOSED PROGRAMS</b>					
<b>4F</b>	<b>Development of Database</b>				
	Form a stakeholders group to discuss the needs of the database. Develop the database.	Bureaus of ITS, Construction, Highway Maintenance, and Environment	Provide annual updates. Database development will rely on Bureau of ITS personnel availability.	No action required until permit years 2-4.	Review the work to date on RASCAL, IMP and MATS and determine if these databases are sufficient for the specific need. If current databases are not sufficient, form a stakeholders group to discuss the needs and formulate an appropriate database.
<b>4G</b>	<b>Specifications</b>				
	Review the current specifications and compare to the 2003-2008 Construction General Permit (CGP). Make revisions as appropriate.	Commissioner's Office, Bureaus of Highway Maintenance, Highway Design, Construction, and Environment	Summarize findings and note revisions.	Revised the Special Attention <b>National Pollutant Discharge Elimination (NPDES) Storm Water Construction General Permit Requirements</b> included in NHDOT proposals. The previous Special Attention reflected a past CGP. An update of all the pertinent information was included.  Prepared a guidance document for Contractors, included in NHDOT proposals, entitled <b>General Guidance For Storm Water Pollution Prevention Plan (SWPPP) Preparation for the NPDES General Permit For Storm Water</b>	Continue reviewing and updating current specifications pertinent to the current CGP. Provide new specifications as necessary and submit to the Specification Committee for review and approval.

NPDES Phase II - Small MS4 General Permit  
Annual Report

BMP ID #	BMP Description	Responsible Dept./ Person Name	Measurable Goal	Progress on Goal(s) Permit Year 1 (2003)	Planned Activities Year 2 (2004)
				<b>Discharges From Construction Activities</b> This guidance document provides the contractor with the necessary information to fulfill the current CGP and for preparation of the SWPPP.	
4H	<b>Develop Public and Private Partnerships to Discuss Pertinent Construction Related Issues</b>				
	Determine the appropriate stakeholders and meet on a regular basis to discuss construction related issues. Prioritize the issues and determine action items and responsible parties.	Commissioner's Office, Bureaus of Highway Maintenance, Environment, Construction and	Document meetings, attendees and action items. Identify and prioritize action items in the annual report and note implementation of action items.	Reviewed environmental issues and erosion and sediment control measures with appropriate stakeholders during pre-construction meetings for all highway and bridge projects. Met with EPA in June of 2003 to discuss construction issues.	Will utilize the <b>Construction Team</b> to organize meetings with appropriate organizations such as the Associated General Contractors, Building Contractors Group, and/ or Good Roads.
4I	<b>SWPPP Template</b>				
	Prepare a template SWPPP that can be utilized by the Bureau of Highway Maintenance. Review the need for incorporation into Project Development projects.	Commissioner's Office and Bureau of Environment	Provide status of the document. Make reference to the finalized document once it has been completed. NHDOT will provide this document to the public and will note the estimated distribution.	A Consultant was hired to assist the Department in preparing a template SWPPP for construction activities that fell under the NPDES CGP regulations. During the Summer of 2003 and Fall of 2003, the Consultant researched a multitude of existing SWPPPs and prepared a "draft" template for the Department's use. The Department has reviewed and commented on the "draft" and found it to be	Re-review the "draft" template SWPPP. The <b>Construction Team</b> will review and comment on this template and work with the Consultant towards a useable product for the Department. The original NHDOT personnel involved will provide assistance to the <b>Construction Team</b> .

NPDES Phase II - Small MS4 General Permit  
Annual Report

BMP ID #	BMP Description	Responsible Dept./ Person Name	Measurable Goal	Progress on Goal(s) Permit Year 1 (2003)	Planned Activities Year 2 (2004)
				insufficient for its use. The template will not be used until it is found to be satisfactory.	
<b>4J</b>	<b>Construction School</b>				
	Provide the Bureau of Construction personnel with training or updates on storm water issues and/or NPDES Phase II issues.	Commissioner's Office, Bureaus of Construction and Environment	Note the topic and questions addressed, and the number of personnel trained.	<p>Deb Loiselle (NHDOT) and Chris Jendras (EPA – Region 1) made a presentation at Construction School on January 29, 2004. An update of the current CGP requirements was noted in addition to responsibilities of the NHDOT Contract Administrators. An overview of what an inspector looks for and “good” and “bad” BMPs was presented.</p> <p>NPDES Awareness Training to approximately 100 NHDOT Construction. Six (6) sessions were conducted during the month of April.</p>	<p>Continue providing updates on NPDES-related issues annually at Construction School.</p> <p>Review the post-surveys from the NPDES Awareness training and determine what additional training is warranted. The <b>Public Education and Outreach Team</b> will take this into consideration as they prioritize the education and outreach needs of the Department.</p>
<b>4K</b>	<b>ROW Constraints</b>				
	Review the ROW constraints associated with temporary and permanent water quality control measures.	Commissioner's Office, Bureaus of Highway Maintenance, Construction, ROW, and Environment	Note findings and develop action plan.	No action required until permit years 2-5.	Discuss constraints, and ways to improve the process, with the Bureau of ROW.

NPDES Phase II - Small MS4 General Permit  
Annual Report

5. Post Construction Runoff Control

BMP ID #	BMP Description	Responsible Dept./ Person Name	Measurable Goal	Progress on Goal(s) Permit Year 1 (2003)	Planned Activities Year 2 (2004)
	<b>CURRENT PROGRAMS</b>				
<b>5A</b>	<b>Routine Maintenance</b>				
	Continue current maintenance procedures (ex. culvert cleaning, street sweeping, etc)	Bureaus of Highway Maintenance, Turnpikes and Bridge Maintenance	Input data into the MATS system and provide a summary on quantity maintained.	The MATS system is still being developed.	As MATS comes online throughout the Division of Operations, information of maintenance activities will be input either as an event or as a general comment. Over a period of time, the system will allow the appropriate tracking of maintenance activities in support of this BMP. MATS is still being developed and is anticipated to be fully operational on July 1, 2004.
<b>5B</b>	<b>Routine Maintenance</b>				
	Development and implementation of a BMP field manual to be utilized as a guide for maintenance and construction personnel.	Bureaus of Highway Maintenance, Construction and Environment	Review existing NHDOT manuals, as well as other State Department's of Transportation manuals, and research the need to develop a durable pocket-sized field manual. Note research, findings and possible implementation of a new manual.	No action required until permit years 3-5.	N/A
<b>5C</b>	<b>Review Process</b>				
	Develop an internal review process to evaluate the effectiveness of water quality BMPs once construction has been completed.	Bureaus of Highway Maintenance, Construction and Environment	Establish an annual meeting to evaluate BMPs implemented on completed projects, evaluate their effectiveness, and implement procedural changes as necessary. Document and follow-up as required.	No action required until permit years 3-5.	N/A

NPDES Phase II - Small MS4 General Permit  
Annual Report

BMP ID #	BMP Description	Responsible Dept./ Person Name	Measurable Goal	Progress on Goal(s) Permit Year 1 (2003)	Planned Activities Year 2 (2004)
4E	<b>Project Design</b>				
	Appropriate drainage will continue to be part of the transportation design phase. Review all projects currently in the design phase. Water quality improvements will be given great consideration.	Bureaus of Environment and Highway Design	Meet at least annually with the Environmental Managers and Project Managers to discuss and document proposed projects as well as completed projects relative to water quality BMPs that will be or have been employed.	Storm water awareness training was provided to approximately 100 individuals from the Bureaus of Highway and Bridge Design, project managers and Project Development staff. Discussions included appropriate BMPs.	Additional training and/or updates from the appropriate teams will be made annually.
			Inventory installed BMPs	Determined that inventory of BMPs could best be accomplished utilizing the MATS program.	Will utilize the MATS program, when it becomes available in July of 2004, to inventory BMP construction.



NPDES Phase II - Small MS4 General Permit  
Annual Report

6. Pollution Prevention / Good Housekeeping

BMP ID #	BMP Description	Responsible Dept./ Person Name	Measurable Goal	Progress on Goal(s) Permit Year 1 (2003)	Planned Activities Year 2 (2004)
	<b>CURRENT PROGRAMS</b>				
6A	<b>Environmental Management System (EMS - ISO 14001)</b>				
	Implement EMS Department wide.	Bureau of Environment	Note the Bureaus that have implemented the program in addition to upcoming ones	No action required until permit years 4-5.	N/A
6B	<b>Management Asset Tracking System (MATS)</b> <i>Please note name change since original NOI submission</i>				
	Implement MATS.	Commissioner's Office, Bureaus of Environment and Highway Maintenance	Identify storm water management components and note implementation date	MATS system has been deployed throughout the Division of Operations. System to be fully operational for FY 2005 beginning July 1, 2004.	Review and comment on status
6C	<b>Roadside Litter Removal Program</b>				
	Removal of roadside litter by all NH Maintenance Districts and Turnpikes.	Bureaus of Highway Maintenance and Turnpikes	Summarize quantity of material removed by Department personnel.	Roadside litter removal is part of the NHDOT maintenance program and is done throughout the year. Actual quantities of material are not calculated.	Continue removing roadside litter by all Maintenance Districts and Turnpikes
1D	<b>Sponsor A Highway</b>				
	Continue to support Sponsor A Highway program.	Bureaus of Highway Maintenance and Turnpikes	Quantity of roadside litter collected.	The NHDOT continues to support this program. It is tracked by the number of miles sponsored and number of bags of trash collected. See <b>Appendix D.</b>	NHDOT will continue supporting this program and providing annual data.

NPDES Phase II - Small MS4 General Permit  
Annual Report

BMP ID #	BMP Description	Responsible Dept./ Person Name	Measurable Goal	Progress on Goal(s) Permit Year 1 (2003)	Planned Activities Year 2 (2004)
<b>6D</b>	<b>Coastal Cleanup</b>				
	Continue to support the annual Coastal Cleanup Program.	Bureau Highway Maintenance	Document the assistance provided.	NHDOT District 6 continues to employ this program. District 6 employees coordinate the "groups" and collect the bags of litter left along the roadside. This cleanup occurs along the NH Route 1 corridor annually.	Continue sponsoring this program.
<b>6E</b>	<b>Water-based Paints</b>				
	Continue the use of waterbased traffic paint.	Bureau of Traffic	Document the number of painted miles. <i>Revise: Document in feet.</i>	80,802,666 ft of 4" line was installed.	Document the number of 4" line painted feet.
			Note disposal method of traffic paint.	Materials that could not be disposed of to the municipal sewer system were processed and disposed of in an appropriate manner. The estimated cost for disposal during the first permit year was \$10,850.00.	Continue noting disposal method and associated cost.
<b>4E</b>	<b>Project Design</b>				
	Appropriate drainage will continue to be part of the transportation design phase. Review all projects currently in the design phase. Water quality improvements will be given great consideration.	Bureaus of Environment and Highway Design	Meet at least annually with the Environmental Managers and Project Managers to discuss and document proposed projects as well as completed projects relative to water quality BMPs that will be or have been employed.	Storm water awareness training was provided to approximately 100 individuals from the Bureaus of Highway and Bridge Design, project managers and Project Development staff. Discussions included appropriate BMPs.	Additional training and/or updates from the appropriate teams will be made annually.
			Inventory installed BMPs.	Determined that inventory of BMPs could best be accomplished utilizing the MATS program.	Will utilize the MATS program, when it becomes available in July of 2004, to inventory BMP construction.

NPDES Phase II - Small MS4 General Permit  
Annual Report

BMP ID #	BMP Description	Responsible Dept./ Person Name	Measurable Goal	Progress on Goal(s) Permit Year 1 (2003)	Planned Activities Year 2 (2004)
	<b>PROPOSED PROGRAMS</b>				
<b>6F</b>	<b>No Exposure Certification</b>				
	Aim towards a "No Exposure Certification" at all NHDOT sites within the regulated Small MS4 's noted as an industrial activity.	Commissioner's Office and Bureau of Environment	Document the number of facilities that were able to obtain a "No Exposure Certification" annually.	Two of the Nine facilities within the Small MS4 communities were able to obtain a "No Exposure Certification". Previously they necessitated SWPPP coverage.	Will continue to work towards certification at the remaining seven locations with emphasis on those in priority areas.
<b>6G</b>	<b>Water Quality BMPs</b>				
	Incorporate water quality BMPs in all NHDOT activities, to the maximum extent practicable, in order to reduce or eliminate pollutant sources.	Commissioner's Office, Bureaus of Highway Design, and Environment	Note the number of project orange or green sheets that were reviewed and located within the regulated Small MS4 communities.	A review of the "draft" environmental document for two projects was done and wording was suggested relative to the NPDES program.  Several other projects located within the regulated Small MS4 communities were reviewed with the environmental coordinators and suggestions were made relative to water quality BMPs.	Determine a process to review all projects relative to water quality.
	Incorporate water quality BMPs in all NHDOT activities, to the maximum extent practicable, in order to reduce or eliminate pollutant sources.	Commissioner's Office, Bridge Maintenance, Turnpikes, Highway Maintenance and Environment	Meet at least annually with representatives from the Division of Operations to review current practices and recommend changes as appropriate.	Met with all Highway Maintenance and the Maintenance Districts to discuss storm water issues.	Will continue to meet with the Districts to determine effectiveness of BMPs.

NPDES Phase II - Small MS4 General Permit  
Annual Report

BMP ID #	BMP Description	Responsible Dept./ Person Name	Measurable Goal	Progress on Goal(s) Permit Year 1 (2003)	Planned Activities Year 2 (2004)
6H	<b>Winter Maintenance Activities</b>				
	Review current procedures and determine ways to reduce the environmental impacts. Implement new procedures and/or technologies.	Commissioner's Office, Bureaus of Highway Maintenance, Turnpikes and Environment	Document research and meetings. Document current practices and make recommendations relative to new technologies. Meet with appropriate Department, State, Federal, and local agencies to review current deicing procedures. Track implementation, specifically reduction in pollutants	<p>The Bureau of Highway Maintenance has developed and delivered a standardized winter maintenance training program for personnel assigned to patrol sheds throughout NH. The training is conducted in small groups by Maintenance Supervisors.</p> <p>The Bureau of Highway Maintenance has received permission to purchase a salt brine maker for evaluation purposes. This material will be applied on the I-93, I293 and NH 101 corridors from Salem to Manchester.</p> <p>Maintenance has also purchased a \$30,000 interactive video system that ties the Road Weather Information System (RWIS) to improve winter maintenance procedures. Over the next year this will be deployed throughout the Division of Operations Bureaus/Districts. An appropriate training and documentation program needs to be developed.</p>	<p>Continue annual training.</p> <p>Report on status.</p> <p>Report on status.</p>

NPDES Phase II - Small MS4 General Permit  
Annual Report

BMP ID #	BMP Description	Responsible Dept./ Person Name	Measurable Goal	Progress on Goal(s) Permit Year 1 (2003)	Planned Activities Year 2 (2004)
3C	<b>Illicit Detection and Elimination Program</b>				
	Determine a process to detect and eliminate illicit discharge and/or connections. Meet with local communities and other appropriate State Agencies to determine the best method. NHDOT will adopt an approved policy and procedural guideline and train personnel in its implementation.	Commissioner's Office, Bureaus of Environment and Highway Design	Document progress annually.	After reviewing existing guidance documents from NHDOT and other New England Transportation Agencies, Organizations, and Institutions, the NHDOT is in the process of developing a comprehensive plan to detect and eliminate sources of illicit discharge. The NHDOT is already working with current state agencies, communities, and individuals within the department to develop this systematic plan. A beginning draft of this plan is available upon request.	Continue working toward a NHDOT policy and procedural guideline.
	Develop a prioritization program to address areas of high complaint, public resources, drinking water sources, and coastal areas.	Commissioner's Office, Bureaus of Environment and Highway Design	Develop a priority list and procedures.	The NHDOT has determined the location of maintenance sheds in respect to watersheds and coastal areas in regulated areas under NPDES Phase II. This information will be incorporated with existing data to understand the sheds' relative location to drinking, natural, and other public resources.	Develop a prioritization program to address the noted areas.

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### ***Appendix A - BMP #1B(a)***

NHDOT will continue providing appropriate presentations to both public and private organizations relative to storm water issues and the NPDES Phase II program. NHDOT will attend appropriate presentations/workshops.

<b>DATE</b>	<b>TOPIC</b>	<b>AUDIENCE</b>
June 5, 2003 (host)	The impact of NPDES Phase II on the NH Department of Transportation	Major Staff Meeting - A monthly meeting for all NHDOT Bureau Administrators, Commissioner and Directors
June 10, 2003 (presentation)	NPDES Phase II program overview: How it impacts the NHDOT and a call for "team" approach with municipalities.	NH Public Works and Municipal Engineering Association Spring/Summer Meeting
June 19, 2003 (host/presentation)	NPDES Phase II program overview for other NH State Agencies and information on what NHDOT is doing to comply with the regulations. NHDOT NPDES-related documents and other appropriate information were handed out to all attendees	NH State Agencies: NHDOT, EPA-Region 1, Pease Development Authority, DRED, NH Technical College, NHDES, NHF&G, Administrative Services, DOC, YDC,
June 25, 2003 (host)	Discussion of NPDES issues	Seacoast Storm Water Coalition
June 26, 2003 (presentation)	Storm Water Regulations Update: Storm Water permitting and Phase II	NH Environmental Business Council (NHEBC)
July 15, 2003 (attend)	Discussion of NPDES issues	Manchester-area Storm Water Group
September 3-4, 2003 (host/presentation)	8 <sup>th</sup> Annual Eastern Winter Road Maintenance Symposium and Equipment Expo	Nation-wide participation. Sponsored by NHDOT.
September 10, 2003 (host)	Discussion of NPDES issues	Seacoast Storm Water Coalition
September 11, 2003 (attend)	Getting In Step: A Workshop on Conducting Effective Stormwater Education and Outreach	Hosted by Maine DEP - Attended by regulated Small MS4 communities
October 7, 2003 (attend)	Discussion of NPDES issues	Manchester-area Storm Water Group
October 16, 2003 (attend)	Discussion of NPDES issues	Atkinson-area Storm Water Group

October 20-23, 2003 (attend)	Nonpoint Source Pollution Information and Education Programs	Nationwide attendance
October 30, 2003 (host/presentation)	Discussion of the NPDES regulations and what NHDOT was currently doing, and future thoughts to meet Minimum Measure 1 (Public Education and Outreach)	New England Transportation Mitigation Conference
October 30, 2003 (attend)	Meeting with three regulated Small MS4 communities represented by a NH consultant. Discussion of cooperative efforts relative to NPDES	3 NH communities and NH consulting firm
November 5, 2003 (attend)	Discussion of NPDES issues	Nashua-area Storm Water Group
November 13, 2003 (presentation)	NPDES Phase II – Construction Activities	NH Municipal Association 2003 Annual Conference
November 21, 2003 (host)	Discussion of NPDES issues	Seacoast Storm Water Coalition
December 12, 2003 (attend)	Discussion of NPDES issues	Manchester-area Storm Water Group
December 17, 2003 (attend)	Discussion of NPDES issues	NH Phase 2 Storm Water Group (formed by EPA- Region1)
December 19, 2003 (attend)	Discussion of water quality of NH lakes	Lakes Management Advisory Committee
January 14, 2004 (attend)	Discussion of NPDES issues	Nashua-area Storm Water Group
January 20, 2004 (attend)	Discussion of NPDES issues	Manchester-area Storm Water Group
January 23, 2004 (attend)	Discussion of water quality of NH lakes	Lakes Management Advisory Committee
January 28, 2004 (host)	Discussion of NPDES issues	Seacoast Storm Water Coalition
January 29, 2004	NPDES – Construction	All NHDOT Bureau of

March 2, 2004 (presentation)	NPDES Awareness Training	NHDOT Personnel – Bureaus of Highway Design, ROW and Municipal Highways
March 9, 2004 (presentation)	NPDES Awareness Training	NHDOT Personnel – Bureau of Bridge Design
March 16, 2004 (host)	"Let's Talk Storm Water" Workshop	Regulated Small MS4 municipalities, NHDOT and non-traditionals
March 26, 2004 (attend)	Discussion of water quality of NH lakes	Lakes Management Advisory Committee
April 1, 2004 (host/attend)	"Getting In Step: A Workshop on Conducting Effective Stormwater Education and Outreach"	Regulated NH Small MS4s (communities from Maine were also invited)
April 13, 2004 (presentation)	NPDES Awareness Training	NHDOT Personnel – Bureaus of Construction and Highway Maintenance
April 15, 2004 (presentation)	NPDES Awareness Training	NHDOT Personnel – Bureaus of Construction and Highway Maintenance
April 20, 2004 (presentation)	NPDES Awareness Training	NHDOT Personnel – Bureaus of Construction and Highway Maintenance
April 21, 2004 (presentation)	NPDES Awareness Training	NHDOT Personnel – Bureaus of Construction and Highway Maintenance
April 23, 2004 (attend)	Discussion of water quality of NH lakes	Lakes Management Advisory Committee
April 27, 2004 (presentation)	NPDES Awareness Training	NHDOT Personnel – Bureaus of Construction and Highway Maintenance
April 29, 2004 (presentation)	NPDES Awareness Training	NHDOT Personnel – Bureaus of Construction and Highway Maintenance
Every other month during since 2002	Hodgson Brook Local Advisory Committee	City of Portsmouth, local businesses, Pease Tradeport, residents of North Mill Pond, NHDOT, NHDES, UNH, UNH Cooperative Extension and NHCP.



### ***Appendix B - BMP #1B (b)***

NHDOT will continue meeting with the surrounding New England states to coordinate programs and share information.

<b>DATE</b>	<b>TOPIC</b>	<b>AUDIENCE</b>
September 27, 2003  <i>*Although prior to the July 30, 2003 Small MS4 "start" date, additional meetings regarding this subject occurred on January 24, 2003 and April 11, 2003</i>	Tri-State Director's Meeting	Discussion of the NPDES program.
October 30, 2003	Discussion of the NPDES regulations and what NHDOT was currently doing, and future thoughts to meet Minimum Measure 1 (Public Education and Outreach)	New England Transportation Mitigation Conference, hosted by NHDOT
May 3, 2004	Discussion of the NPDES regulations and what other New England state transportation agencies are doing, with particular emphasis on illicit discharge detection and construction erosion control and storm water management	New England Transportation Mitigation Conference, hosted by RIDOT
July 30, 2003-May 1, 2004	Email/telephone conversations relative to NPDES issues. Sharing of information and documents amongst several New England state agencies.	New England State Agencies

### ***Appendix C - BMP #1C***

NHDOT will continue providing appropriate presentations to Department staff relative to storm water issues and the NPDES Phase II program.

<b>DATE</b>	<b>TOPIC</b>	<b>AUDIENCE</b>
March 2, 2004	NPDES Awareness Training	NHDOT Personnel – Bureaus of Construction & Aeronautics
March 2, 2004	NPDES Awareness Training	NHDOT Personnel – Bureaus of Highway Design, ROW and Municipal Highways
March 9, 2004	NPDES Awareness Training	NHDOT Personnel – Bureau of Bridge Design
April 13, 2004	NPDES Awareness Training	NHDOT Personnel – Bureaus of Construction and Highway Maintenance
April 15, 2004	NPDES Awareness Training	NHDOT Personnel – Bureaus of Construction and Highway Maintenance
April 20, 2004	NPDES Awareness Training	NHDOT Personnel – Bureaus of Construction and Highway Maintenance
April 21, 2004	NPDES Awareness Training	NHDOT Personnel – Bureaus of Construction and Highway Maintenance
April 27, 2004	NPDES Awareness Training	NHDOT Personnel – Bureaus of Construction and Highway Maintenance
April 29, 2004	NPDES Awareness Training	NHDOT Personnel – Bureaus of Construction and Highway Maintenance

***Appendix D - BMP #1D***

***State of New Hampshire  
Department of Transportation***

***Adopt-A-Highway Program***

***Annual Summary - 2002***

Report Number 9  
December 2002

<b><u>District</u></b>	<b><u>Miles</u></b>	<b><u>(KM)</u></b>	<b><u>Number of Groups</u></b>	<b><u>Number of Pick-Ups</u></b>	<b><u>Number of Bags</u></b>
1	248	397	79	114	1937
2	321	514	102	198	3484
3	424	678	181	164	2986
4	153	245	69	136	2732
5	310	496	132	217	4806
6	170	272	82		
Interstate MP	52	83	22		
Turnpike MP	68	109	18		
Totals:	1,746	2,794	685		
Previous Year	1,639	2,393	667	919	19,399

Notes/Comments:

**2001**

Average Number of Bags per Mile:  
Average Number of Miles per Group:  
Average Number of Bags per Group:

**Since Beginning 1994**

Total Bags

*Appendix E - BMP #11*

**STATE OF NEW HAMPSHIRE  
INTER-DEPARTMENT COMMUNICATION**

**FROM** Carol A. Murray  
Commissioner  
*[Signature]* 4/22/04  
**DATE** April 22, 2004  
**AT (OFFICE)** Department of  
Transportation  
**SUBJECT** Stormwater Policy  
Commissioner's  
Office  
**TO** Directors  
Administrators  
District Engineers

Earth Day – 2004

In recognition of Earth Day, the annual celebration of our natural environment, I am pleased to reissue the Department's policy on erosion & sedimentation control and stormwater management. Our state's water resources should be cherished and protected for future generations. We have an important role to play to ensure that New Hampshire's citizens and visitors have clean and abundant waters for drinking, bathing and recreating. Our daily activities, professional and personal, have the potential to pollute surface and ground waters. We are obliged to implement measures to avoid, minimize and mitigate adverse effects to these water resources.

The policy that I have signed today speaks directly to actions the Department will take before, during and after construction and while maintaining our transportation infrastructure. It incorporates principles and requirements contained in Phase II of the National Pollutant Discharge Elimination System regulations, and it emphasizes the need to employ best management practices. It notes the need to be aware of pollution concerns and, most importantly, it challenges all of us to take action to prevent water pollution.

In the spirit of environmental protection, please make a commitment with me to champion this policy. We have the unique opportunity to leave a dual legacy for our descendants – a safe and efficient transportation system and a clean and healthy environment.

CAM:WRH:wrh  
Attach.

**NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION  
POLICY 503.01**

**Title: EROSION & SEDIMENTATION CONTROL AND STORM WATER  
MANAGEMENT POLICY**

**Statement:** The New Hampshire Department of Transportation (NHDOT) is environmentally conscientious and strongly committed to reduce the discharge of pollutants to the maximum extent practicable, and to protect the state's water and other natural resources.

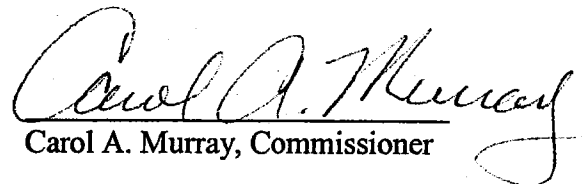
**Comments:**

It is the policy of the NHDOT to:

- (a) Meet or exceed State and Federal environmental laws and regulations.
- (b) Incorporate state of the art erosion/sedimentation controls and stormwater management measures into the design of its projects.
- (c) Ensure erosion/sedimentation controls and stormwater management measures are properly implemented and maintained at operations facilities and construction sites.
- (d) Properly maintain erosion and sedimentation controls and stormwater management measures after project construction.
- (e) Be vigilant in identifying and addressing erosion/sedimentation and stormwater concerns in the State/Federal transportation system.
- (f) Support and provide continuing education for all appropriate personnel and promote public involvement and outreach.
- (g) Empower all Department personnel to enforce this policy.

April 22, 2004

Date

  
Carol A. Murray, Commissioner

*Revision Notes:* This is the first adoption of this policy.