



## **Storm Water Phase II Public Outreach, Education, Involvement and Participation**

### **Progress Report University of Rhode Island March 10, 2011**

Reporting Period:	January 1, 2010 to December 31, 2010
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Project Period:	10/1/05 – 9/30/11



## Storm Water Phase II Public Outreach, Education, Involvement and Participation

### *Progress Summary January 1 – December 31, 2010*

#### **Project Description**

With funding from the Rhode Island Department of Transportation and oversight by the Rhode Island Department of Environmental Management (RIDEM), the University of Rhode Island Cooperative Extension (URI) and the Southern Rhode Island Conservation District (SRICD) are developing public education materials, outreach methods and related tools to assist the RI Department of Transportation (RIDOT), Rhode Island municipalities, and other groups implement effective stormwater management programs. This education and outreach project will directly support RIDOT and participating municipalities in complying with Phase II permit requirements.

The major project objectives are to:

- Promote public awareness of storm water impacts and control actions through a statewide media campaign;
- Develop educational materials and outreach methods for use by municipalities, state agencies, community organizations and others, in a readily accessible format;
- Provide model ordinances for local storm water management with related training; and
- Train government staff, local officials, and others in updated storm water management practices.

#### **Major Accomplishments**

##### **State, Municipal and Private Sector Training**

Organized and conducted **five** workshops/trainings, with supporting educational materials:

- *Preview of the Draft MS4 General Permit for 2010-2015: Public Education and Involvement Measures* (March 12, 2010). This included development of draft requirements for Phase II minimum measures 1 and 2 under the draft updated permit in partnership with RIDEM staff.
- *Rhode Island Stormwater Design and Installation Standards Manual: Final Draft – Public Informational Sessions* (May 26, 2010 and June 2, 2010)
- *Institutionalizing Stormwater Education in Rhode Island* (June 3, 2010)
- *Stormwater Education Training: Using the Enviroscape Model* (November 3, 2010)

Assisted with the publicity and organization of **three** workshops/trainings:

- *Preview of the Draft MS4 General Permit for 2010-2015: IDDE and Pollution Prevention and Good Housekeeping Measures* (April 9, 2010)
- *Demonstration of the New ASSIST Stormwater Program Management Software* (August 10, 2010)

- *Construction Site Storm Water Runoff Control and Post Construction Storm Water Management Elements of the Draft MS4 General Phase II Permit for 2010-2015* (July 8, 2010)

Presentations and selected materials from the workshops mentioned above are available online at: <http://www.uri.edu/ce/wq/NEMO/Workshops-Support/index.htm#previous>. In the near future, that link will likely be changed due to redevelopment of our website, and the information about all workshops can be accessed by visiting the Workshops page, linked from: <http://www.uri.edu/ce/wq/NEMO>.

### **Additional Presentations and Conference/Meeting Attendance**

- Lisa Philo attended a public informational session about stormwater in Middletown, providing factsheets and answering questions from audience members (Sep. 27, 2010).
- Lisa Philo presented *When The Prescription is Education, What's A Municipal Official To Do*, a description of RI Stormwater Solutions' efforts, to approximately 40 attendees at a National NEMO Network conference (Sep. 29 – Oct. 1, 2010).
- Lorraine Joubert attended Rhode Island American Planning Association (RI APA) lunches throughout the year to discuss and learn about current, local planning and development issues related to stormwater.

### **Model Ordinances and Enforceable Policies**

- Our work on model ordinances for post construction stormwater management and example zoning provisions supporting low impact stormwater management was on hold pending completion of the stormwater standards manual.

### **Statewide Stormwater Education Campaign**

- Generated an inventory of programs and kits used in elementary and middle schools within each RI municipality and identified towns in need of stormwater education outreach and towns that currently have at least a watershed education program.
- Developed indoor and outdoor lesson plans and handouts and made them available both on the RI Stormwater Solutions website as well as at professional development workshops for elementary school teachers. Lessons are aligned to RI Grade Span Expectation Standards in science, math, writing, and civics and government, and they utilize inexpensive, hands-on resources.
- Redesigned the RI Stormwater Solutions Youth Education resources to include specific Grade Span Expectations, making them more teacher-friendly and promoting the lending of the EnviroScape watershed model to school teachers.
- Created a Rain Garden Service Project Manual for high school student groups that is geared towards environmental, scout, and youth groups and provides detailed instructions for designing a rain garden, acquiring resources, and publicizing the rain garden as part of a community's pollution solution.
- Established a network of watershed group, teacher, and stormwater coordinator contacts to increase awareness of Phase II regulations, stormwater education opportunities, and the overlapping goals of each participant.

- Created approximately 20 template ads using new Don Bousquet cartoons, with the intention of placing these ads in papers throughout the state.
- Provided refresher training in the use of the EnviroScape watershed model for stormwater education through the Outreach Center's Learning Landscape Program (April 2010).
- Loaned the EnviroScape watershed model to two schools: Westerly Elementary and Broad Rock Middle School for presentations related to stormwater in the watershed.
- Coordinated and/or delivered presentations or provided stormwater-related materials at a variety of public venues:

<b>Date</b>	<b>Location/Venue</b>	<b>Type of Outreach</b>	<b>Comments</b>
February 9, 2010	Westerly Land Trust	Presentation: <i>A New Perspective: Improving the Environment From Your Backyard</i>	Approximately 25 attendees
April 19, 2010	Cross Mills Library, Charlestown Garden Club	Presentation: <i>A New Perspective: Improving the Environment From Your Backyard</i>	One effort in a broader education campaign, following Dec. 2009 passage of a lawn fertilizer resolution
May 1, 2010	Richmond Earth Day Festival	EnviroScape Watershed Model; stormwater factsheets; rain barrels	Approximately 100 attendees
May 4, 2010	Newport NARFE	Presentation; stormwater factsheets; rain barrels	Approximately 25 attendees
May 12, 2010	Pawtuxet River Authority, Randall Pond	Presentation	Approximately 50 attendees
May 22, 2010	Durham, CT Earth Day Event	Stormwater factsheets; rain barrels	Approximately 200 attendees
July 14, 2010	Peacedale Public Library	Presentation: <i>Stormwater Solutions for the Watershed: What Can I Do?</i>	6 attendees
July 17, 2010	Prudence Island 30 <sup>th</sup> Anniversary Block Party	Stormwater factsheets; rain barrels	Approximately 200 attendees

July 23, 2010	Charlestown Farmer's Market	EnviroScape Watershed Model; stormwater factsheets	
September 2010	Durham, CT Agricultural Fair	Presentation; stormwater factsheets; rain barrels	

- Continued to expand and develop the website (<http://www.ristormwatersolutions.org>) as a public information center for stormwater management, including working with a web designer to improve the functionality and appearance of the website.
- Highlighted on the NPSINFO listserv in a list prepared by Aaron Hartmann, EPA of stormwater pollution prevention tips for the public.

**Municipal Outreach Materials and Methods:**

- Assisted the Richmond Conservation Commission with the organization and publicity of the Town's Earth Day Festival (May 1, 2010), including recruiting Beverly O'Keefe (RI Water Lady) and Jodie Woodside (a Master Gardener) to present the EnviroScape Watershed Model and distribute stormwater factsheets to approximately 100 attendees.
- Worked closely with North Kingstown to begin an LID retrofit project in the Sawmill Pond Watershed. As a result, the Town plans to design and construct 10 demonstration rain gardens and provide education for installers and homeowners as a pilot training for the design and installation of rain gardens for landscapers.
- Worked closely with the Narrow River Preservation Association to write a grant for funding a stormwater BMP demonstration and education project, which would be installed in a residential neighborhood. The grant was funded.
- Completed a customized business self-inspection checklist entitled *How Lincoln's (or North Smithfield's) New Stormwater Program Affects Your Business* for the towns of Lincoln and North Smithfield and drafted a brochure that describes best management practices for businesses to use to control stormwater, entitled *Preventing Stormwater Pollution at Your Business*. This was part of URI's collaboration with RIDEM and Blackstone River watershed partners under the Healthy Blackstone Project. DEM sent the self inspection checklist to businesses in the two towns with greater than two acres of impervious cover.
- Revised the public outreach and education strategy completed for South Kingstown in 2009 to focus on their goals of reducing pet waste contributions to stormwater pollution. Edited their brochure, *Do You Scoop the Poop?*, and provided detailed information about existing livestock waste management programs.
- Organized two storm drain marking events to assist MS4s in meeting outreach requirements. Thirty URI Resident Advisors participated in a storm drain marking day with the town of Tiverton (August 28, 2010), and they marked 80 drains. Twenty-nine students

from URI 101 participated in a storm drain marking day with the town of South Kingstown (October 16, 2010), and they marked approximately 100 drains.

- To promote awareness and acceptance of innovative stormwater management methods, we continued to maintain the RI web-based inventory of RI LID projects.

### **Project Coordination**

Continued to coordinate activities with the project advisory committee and seek their review and input through email notices and meetings with project staff. Committee input and involvement was sought in development of each training program.

Maintained communication with communities and other MS4s participating in the project - known as the Local MS4 Committee, through email notices and workshops. Those e-mails have now been archived on the website at:

[http://www.ristormwatersolutions.org/SW\\_progress.html#Comm\\_archive](http://www.ristormwatersolutions.org/SW_progress.html#Comm_archive)

Participated in review of the RI Storm Water Design and Installation Manual, reviewing drafts and submitting comments to DEM staff. Comments focused on local stormwater management issues, including protection of drinking water supplies and other critical water resources.

Coordinated extensively with RI DEM to align their Community LID Guidance document and training with the needs of MS4s and these project efforts. This included participation in advisory committee meetings, review of draft documents and submittal of comments.

NEMO staffing effort was reduced throughout the year due to the absence of Lisa Philo, who took a family medical leave. She returned to 20 hours/week at the end of August 2010.

### **Future Activities – 2011**

- Offer a series of technical trainings on using the revised *Rhode Island Stormwater Design and Installation Standards Manual*, approved in Dec. 2010. These trainings are scheduled for January and March 2011.
- Offer a Residential Rain Garden Training Program. This training, scheduled for March 30 and April 2011, consists of a full day indoor training, followed by half day hands-on rain garden installation at Roger Williams Park.
- Develop and conduct a workshop(s) on using the RI Stormwater Standards Manual to apply LID techniques in linear projects. This will be specifically for RI Department of Transportation staff and contractors.
- Develop and conduct a workshop on applying the RI Stormwater Standards Manual at the municipal level to address local project review, small projects not regulated by RIDEM, and model ordinance provisions for stormwater management.
- Complete the Business Stormwater Best Management Practice brochure for use in Blackstone River Valley communities under RIDEM's Healthy Blackstone project.

- Expand the new RI Stormwater Solutions website (<http://www.ristormwatersolutions.org>) to include a dynamic database of all workshops held, a new, more user-friendly resources section, and a refreshed look for the homepage that is still consistent with the overall brand and image.
- Work with newspapers across Rhode Island to advertise Don Bousquet cartoons about stormwater issues.
- Continue the existing programs that were implemented in 2009, including: working with URI 101 students to assist MS4s with storm drain marking; using the stormwater module in the URI Learning Landscapes programs for elementary school children; continuing to offer the presentation *A New Perspective: Improving the Environment From Your Backyard* throughout Rhode Island communities; and continuing to offer the use of the EnviroScape watershed module to interested communities.
- Complete the landscape care factsheet series that address stormwater issues. This will include: a more specific lawn care information factsheet for do-it-yourself homeowners; what to ask when hiring a lawn care maintenance provider; and lawn and landscape care for municipal groundskeepers.
- Make any necessary revisions and additions to the strategies and materials contained in the *Reaching Out To Residents* manual.
- To support awareness and local acceptance of LID methods, continue to expand web-based case studies of RI LID projects, in cooperation with CT NEMO as part of a national inventory.

**Storm Water Phase II Public Outreach, Education, Involvement and Participation Project  
Progress by Task January 1 – December 31, 2010**

**A. Local Needs Assessment and Advisory Committee Development**

**Tasks Progress 2010**

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| <p>1. Form and facilitate an advisory steering committee with input from DEM and DOT</p> <p>a) Maintain communication by email, mail and web meetings.</p> <p>b) Organize a work group of municipal and non traditional stormwater managers (local groups) responsible for implementation of Phase II measures.</p> | <p>a) Continued to communicate with target audiences about upcoming workshops. Those e-newsletters are archived at: <a href="http://www.ristormwatersolutions.org/SW_progress.html">http://www.ristormwatersolutions.org/SW_progress.html</a></p> <p>Coordinated extensively with DEM to align their Community LID Guidance Document and training with the needs of MS4s and these project efforts.</p> <p>b) Task completed in 2007, except to continue to work with MS4s participating in the project (the local MS4 committee) group, generally by contacting them about training opportunities or offering specific assistance, when requested.</p> |
| <p>2. Conduct a needs assessment.</p> <ul style="list-style-type: none"> <li>▪ Review available stormwater mgt plans</li> <li>▪ Survey municipal stormwater management capacity</li> </ul>  | <p>2. Task completed in 2007.</p>   |

**Task A Issues and Future Activities**

Task A is completed except for continued coordination with the project advisory committee and participating MS4s throughout the project.

**B. State, Municipal and Private Sector Training Curriculum Development**

**Tasks Progress 2010**

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| <p>1. Prepare a list of training needs based on 7 training topics (listed below) and the local needs assessment. Solicit review and comment from the advisory committee.</p> | <p>1. Task completed in 2006.</p>                 |
| <p>2. Prepare outlines of training modules and solicit review</p>  | <p><b>2.1) DEM Stormwater Manual training</b></p> |



and comment from the advisory committee on the following training topics:

- 1) DEM Stormwater manual:
  - Overview of manual and standards;
  - Proper use of LID mgt practices; and
  - TR55 for LID application.
- 2) Public Outreach
  - Scope of the stormwater problem and impacts on local waters in urban, suburban and rural areas;
  - Methods for effective community education and outreach by municipalities.
- 3) Pollution Prevention and Good Housekeeping for Municipalities to include:
  - Public works facilities O&M;
  - Roadway stormwater system maintenance; and
  - Grounds management.
- 4) Illicit Discharge Detection and Elimination
- 5) Development and Amendment of Enforceable Policies:
  - Soil erosion and sed. control; stormwater utility districts.
  - Post-construction stormwater maintenance and re-development standards; pet waste.

The workshop, *RI Stormwater Design and Installation Standards Manual: Final Draft – Public Informational Sessions*, was held on May 26, 2010 and June 2, 2010.

In November 2010, began coordinating the January and March 2011 workshops about the manual.

## **2.2) Public outreach**

Continued to update the manual, *Reaching Out To Residents*, for municipalities, containing all strategies and materials developed to assist public stormwater education and involvement.

Conducted the workshop, *Preview of the Draft MS4 General Permit for 2010-2015: Public Education and Involvement Measures* (Mar. 12, 2010)

Conducted the workshop, *Institutionalizing Stormwater Education in Rhode Island* (June 3, 2010).

Presented *When The Prescription is Education, What's A Municipal Official To Do*, a description of RI Stormwater Solutions' efforts, to approximately 40 attendees at a National NEMO Network conference (Sep. 29 – Oct. 1, 2010)

Conducted the workshop, *Stormwater Education Training: Using The Enviroscape Model* (Nov. 3, 2010).

Established a network of watershed group, teacher, and stormwater coordinator contacts to increase awareness of Phase II regulations, stormwater education opportunities, and the overlapping goals of each participant.

Attended Rhode Island American Planning Association lunches throughout the year to discuss and learn about current, local planning and development issues related to stormwater.

Reviewed the RI LID Site Planning and Design Guidance for Communities and submitted detailed comments on the guide and development of supporting educational materials.

## **2.3) Pollution prevention and good housekeeping for municipal facilities**

Assisted with the training, *Preview of the Draft MS4 General Permit for 2010-2015: IDDE and Pollution Prevention and Good Housekeeping Measures* (Apr. 9, 2010).

## **2.4) Illicit discharge detection and elimination and related public education**

Assisted with the training, *Preview of the Draft MS4 General Permit for 2010-2015: IDDE and Pollution Prevention and Good Housekeeping Measures* (Apr. 9, 2010).

Assisted with the training, *Demonstration of the New ASSIST Stormwater Program Management Software* (Aug. 10, 2010).

## **2.5) Model ordinances and enforceable policies:**

**a) Model ordinances on post construction stormwater control and related public outreach**

Work on post construction ordinances and supporting outreach is on hold pending completion of the state standards.

Supporting educational materials and outreach:

- Continued to update the web-based LID Inventory for Rhode Island.
- Factsheet Series for Local Decision Makers: Intended as supporting information on the need for improved local stormwater controls, emphasizing Phase II requirements and LID practices. To ensure consistency with state requirements and to avoid duplication, this is also on-hold until release of the stormwater standards.

**b) Model ordinance on erosion and sediment control and related public outreach**

Assisted with the workshop, *Construction Site Storm Water Runoff Control and Post Construction Storm Water Management Elements of the Draft MS4 General Phase II Permit for 2010-2015* (Jul. 8, 2010).

**6) Budget planning:** NEMO provided monthly budget reports with effort and expenditures organized by project objective. This included progress summaries for each reporting period.

**7) DOT Training:** This task is completed except for training in the updated RI Stormwater standards. NEMO has been working with DOT staff to identify staff training needs to promote use of LID for linear projects.

**Task B Issues and Future Activities**

Training modules to be developed with advisory committee review include:

- Four technical trainings about the RI Stormwater Manual are planned for January and March 2011.
- A rain garden training program is planned for March.
- Training for DOT staff in application of the manual for linear projects is planned for 2011.
- Training for local officials who make land use decisions is planned for 2011. This will address application of the manual for small projects, incorporating LID planning and small scale stormwater practices at each stage of project review, and model ordinance language to implement LID and ensure proper maintenance of stormwater practices. is planned to address application of the manual at the local level.

### C. Coordinated Stormwater Message for Use in Public Outreach

#### Tasks

#### Progress 2010

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| <p>1. Review and collect current outreach materials used in Rhode Island for stormwater management (especially, FHWA, EPA, DOT and DEM materials).</p>  | <p>1. Completed June 2006.</p>  |
| <p>2. Review national literature for comparative purposes and identify other appropriate outreach materials, messages and delivery methods.</p>   | <p>2. Completed June 2006.</p> <p>Continuing to monitor national outreach materials through, the EPA library, NEMO National Network, the EPA NPS listserve, and other sources.</p>  |
| <p>3. Prepare a consistent message for state agencies, communities and watershed organizations regarding why the public should be concerned about the impacts of stormwater on receiving waterbodies. Solicit review and comment from the advisory committee.</p> | <p>3. Completed in 2008, with the exception of continuing to update the messages based upon any new research findings.</p>  |
| <p>4. Identify best available options for delivery of the messages and materials discussed in task 3 and 6.</p>   | <p>4. Completed in 2009, with the exception of continuing to explore any improved or more relevant methods of delivery.</p>   |
| <p>5. Deliver the consolidated state-agency message in task 3. Continue delivery of consolidated message.</p>   | <p>5. Continued to expand and develop the website as a public information center for stormwater management, including working with a web designer to improve the functionality and appearance of the website.</p> <p>Generated an inventory of programs and kits used in elementary and middle schools within each RI municipality and identified towns in need of stormwater education outreach and towns that currently have at least a watershed education program.</p> <p>Developed indoor and outdoor lesson plans and handouts and made them available both on the RI Stormwater Solutions website as well as at professional development workshops for elementary school teachers. Lessons are aligned to RI Grade Span Expectation Standards in science, math, writing, and civics and government, and they utilize inexpensive, hands-on resources.</p> <p>Redesigned the RI Stormwater Solutions Youth Education resources to include</p> |

specific Grade Span Expectations, making them more teacher-friendly and promoting the lending of the EnviroScape watershed model to school teachers.

Created a Rain Garden Service Project Manual for high school student groups that is geared towards environmental, scout, and youth groups and provides detailed instructions for designing a rain garden, acquiring resources, and publicizing the rain garden as part of a community's pollution solution.

Provided refresher training in the use of the EnviroScape watershed model for stormwater education through the Outreach Center's Learning Landscape Program (April 2010).

Loaned the EnviroScape watershed model to two schools: Westerly Elementary and Broad Rock Middle School for presentations related to stormwater in the watershed.

Assisted the Richmond Conservation Commission with the organization and publicity of the Town's Earth Day Festival (May 1, 2010), including recruiting Beverly O'Keefe (RI Water Lady) and Jodie Woodside (a Master Gardener) to present the EnviroScape Watershed Model and distribute stormwater factsheets to approximately 100 attendees.

Coordinated and/or delivered presentations or provided stormwater-related materials at 10 public venues throughout the year. (These are documented on page 3 of this Progress Report.)

Worked closely with North Kingstown to begin an LID retrofit project in the Sawmill Pond Watershed. As a result, the Town plans to design and construct 10 demonstration rain gardens and provide education for installers and homeowners as a pilot training for the design and installation of rain gardens for landscapers.

Worked closely with the Narrow River Preservation Association to write a grant for funding a stormwater BMP demonstration and education project, which would be installed in a residential neighborhood. The grant was funded.

Created approximately 20 template ads using new Don Bousquet cartoons, with the intention of placing these ads in papers throughout the state.

Attended a public informational session about stormwater in Middletown, RI, providing factsheets and answering questions from audience members. (Sep. 27, 2010)

Utilized the education module on stormwater runoff in 17 distinct URI Learning Landscape programs between May and June 2010, exposing a total of 733 students, in grades 1 through 4, to stormwater concepts.

6. Using the consistent message in task 3 as a starting point, develop source-specific contamination outreach messages and materials.

6. Revised the public outreach and education strategy completed for South Kingstown in 2009 to focus on their goals of reducing pet waste contributions to stormwater pollution. Edited their brochure, *Do You Scoop the Poop?*, and provided detailed information about existing livestock waste management programs.

Organized two storm drain marking events to assist MS4s in meeting outreach requirements. Thirty URI Resident Advisors participated in a storm drain marking day with the town of Tiverton (August 28, 2010), and they marked 80 drains. Twenty-nine students from URI 101 participated in a storm drain

marking day with the town of South Kingstown (October 16, 2010), and they marked approximately 100 drains.

Completed a customized business self-inspection checklist entitled *How Lincoln's (or North Smithfield's) New Stormwater Program Affects Your Business* for the towns of Lincoln and North Smithfield and drafted a brochure that describes best management practices for businesses to use to control stormwater, entitled *Preventing Stormwater Pollution at Your Business*.

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|---|--|
| <p>7. Run a pre-survey followed up by post-survey after the outreach is conducted to see how effective the program was. Make adjustments to the outreach program as needed.</p> | <p>7. The pre-survey was completed in 2008. The post-survey was conducted in January 2009.</p> |
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**Task C Issues and Future Activities**

Go live with the changes to the RI Stormwater Solutions website, including a dynamic database of workshops, a new more user-friendly resources section, and a refreshed look for the homepage.

Work with newspapers across RI to advertise Don Bousquet cartoons.

Work with organizations who publish newsletters/journals to incorporate stormwater stories.

Explore new outreach approaches, such as creating e-mail "blasts" that send previously-developed stormwater tips to a mass audience.

Continue existing programs: storm drain marking events facilitated by URI students; using the stormwater module in the URI Learning Landscapes programs; continuing to offer the presentation *A New Perspective: Improving the Environment From Your Backyard*; and continuing to offer the EnviroScape watershed module to interested communities.

Complete the landscaping factsheet series that address stormwater issues.

Continue to expand web-based case studies of RI LID projects.

**D. Implementation Schedule, Evaluation and Assessment**

**Tasks**

**Progress 2010**

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| <p>1. Develop an implementation schedule each permit year for each set of tasks in the scope of work and solicit review and comment from the advisory committee.</p> | <p>1. URI met with DEM and DOT project staff to review the draft 2010 annual implementation schedule in August 2010. URI and SRICD also met to establish a subcontract with stormwater manual authors to develop and conduct training on the final standards manual.</p> |
| <p>2. Incorporate comments</p>   | <p>2. DEM and DOT comments were incorporated and the annual plan updated in</p>  |

from the advisory committee and present to DOT and DEM for final approval.

September 2010.

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| 3. Draft annual evaluation and assessment reports for this scope of work each permit year and solicit review and comment from the advisory committee.                        | 3. 2009 annual report prepared and submitted to the advisory committee. Summary of program effectiveness follows. |
| 4. Incorporate comments from the advisory committee and present report to DOT and DEM for final approval.  | 4. No substantive comments received from the advisory committee.  |
| 5. With assistance of advisory committee, adjust implementation schedule as needed based on annual evaluation. Provide any recommended changes to DOT/DEM for final approval | 5. No substantive comments received from the advisory committee   |

#### **Task D Issues and Future Activities**

The project is scheduled to end September 30, 2011, with all project tasks and deliverables completed. In addition to the 2010 annual progress report to be completed March 2011, we plan to prepare a project summary highlighting major products and accomplishments.

## 2010 Project Evaluation Summary

### MS4 Participation in the Phase II Stormwater Education and Outreach Project

Of the 45 MS4s (39 municipalities and 6 institutions) a total of 32 (71%) are officially participating the Stormwater Education and Outreach Project. However, most of the non-participating MS4s do attend workshops and information sessions and all receive our e-mails and notifications.

This year there were no mandatory training programs for MS4 staff as the stormwater standards manual was not finalized until year's end. As a result, quantifying official participation is not applicable. Although optional, MS4 staff were encouraged to attend the workshops and information sessions and many did so.

### Workshop Descriptions

In an effort to reduce the number of attachments to this document, we ask that you consult the website, where detailed descriptions of all workshops can be found, in addition to materials presented, lists of attendees, and summaries of evaluations, when conducted.

Please visit: [http://www.uri.edu/ce/wq/NEMO/Workshops-Support/Previous\\_Workshops.htm](http://www.uri.edu/ce/wq/NEMO/Workshops-Support/Previous_Workshops.htm) \*

\*In the event that this link changes in the future, please visit the NEMO homepage and follow the link to workshops.

### Workshop Effectiveness

Most of the workshops and trainings conducted in 2010 were not ideal for the usual survey instrument that we use to measure workshop effectiveness, because they were more informal work groups. The one exception was the workshop listed below. In spite of the lack of use of a formal measure of effectiveness, we did strive to ensure that our programs were useful for participants by soliciting informal feedback during the workshops themselves.

*Preview of the Draft MS4 General Permit 2010-2015: Public Education and Involvement Measures* (Mar. 12, 2010)

Forty-eight (48) participants attended this workshop. A total of 28 MS4s were represented. The final attendance list is available on the NEMO website, provided above.

Of the 48 attendees, 28 returned a completed survey, a 58% response rate. Generally, respondents felt that the information they received was useful for their understanding of the proposed requirements and that those requirements were reasonable. A complete summary of the evaluation data is provided on the NEMO website provided above.

## Web Documents

### MS4 Participation List

This list was updated in August 2010.

[http://www.ristormwatersolutions.org/SW\\_partners.html#ms4s](http://www.ristormwatersolutions.org/SW_partners.html#ms4s)

### Advisory Committee Participation

[http://www.ristormwatersolutions.org/SW\\_partners.html#committee](http://www.ristormwatersolutions.org/SW_partners.html#committee)

### Administrative Documents

<http://www.uri.edu/ce/wq/RESOURCES/STORMWATER>

Click onto "Advisory Committee Meeting Archive" for:

- Advisory Committee agendas, minutes and materials submitted for review.
- Ad hoc committees and materials submitted for review.

### Materials Created by the Project

<http://www.ristormwatersolutions.org>

### Workshop Descriptions

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\*In the event that this link changes in the future, please visit the NEMO homepage and follow the link to workshops.

### Workshop Attendance Lists and Evaluations

[http://www.uri.edu/ce/wq/NEMO/Workshops-Support/Previous\\_Workshops.htm](http://www.uri.edu/ce/wq/NEMO/Workshops-Support/Previous_Workshops.htm)