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## RIPDES SMALL MS4 ANNUAL REPORT GENERAL INFORMATION PAGE

RIPDES PERMIT # **RIR040 036**

REPORTING PERIOD:  **YEAR 14**  
Jan 2017-Dec 2017

### OPERATOR OF MS4

Name: <b>Rhode Island Department of Transportation</b>			
Mailing Address: <b>360 Lincoln Ave</b>			
City: <b>Warwick</b>	State: <b>RI</b>	Zip: <b>02888</b>	Phone: <b>(401) 734-4829</b>
Contact Person: <b>Brian M. Moore</b>	Title: <b>Administrator – Office of Stormwater Management</b>		
	Email: <b>brian.moore@dot.ri.gov</b>		
Legal status (circle one): PRI - Private      PUB - Public      BPP - Public/Private <b>STA - State</b> FED – Federal			
Other (please specify):			

### OWNER OF MS4 (if different from OPERATOR)

Name:			
Mailing Address:			
City:	State:	Zip:	Phone: (   )
Contact Person:	Title:		
	Email:		

### CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under the direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Print Name          **Peter Alviti, Jr. P.E.**      

Print Title          **Director**      

Signature     \_\_\_\_\_ Date \_\_\_\_\_

**SPECIAL NOTE FOR RIDOT's MS4 ANNUAL REPORT**

Department of Transportation (RIDOT) entered into a Consent Decree with the United States Environmental Protection Agency (EPA) and the US Department of Justice for non-compliance findings with the RIPDES Small MS4 General Permit. The Consent Decree was entered by US Federal Court and became effective on December 22, 2015 and will continue until all Remedial Measures have been completed by RIDOT, estimated to be in the year 2026. The Consent Decree and all associated RIDOT documents may be found on the RIDOT Stormwater Management Webpage at: <http://www.dot.ri.gov/about/stormwater.php>

The Consent Decree requires RIDOT to comply with Remedial Measures identified for Illicit Discharge Detection and Elimination (IDDE), Post Construction Stormwater Management, Good Housekeeping, and Total Maximum Daily Loads (TMDLs).

As the Consent Decree also requires reporting, the Department of Environmental Management has agreed to allow RIDOT to reduce duplicative reporting and only report unique RIPDES Minimum Measure requirements in this Annual Report. Therefore, where Consent Decree Remedial Measures overlap with RIPDES Minimum Measures, the RIDOT will report in the Consent Decree Compliance Report only.

**Table: RIDOT REPORTING MECHANISM**

RIDEM RIPDES Minimum Measure	EPA Consent Decree Remedial Measure	RIDOT Reporting Mechanism
1. Public Ed/Outreach	N/A	Report in RIPDES Annual Report
2. Public Involvement	N/A	Report in RIPDES Annual Report
3. IDDE	C. IDDE	<b>ONLY report in Consent Decree Compliance Reports</b> (due 3/10 and 8/1); Provide RIDEM with reports.
4. Construction Site Stormwater Management	N/A	Report in RIPDES Annual Report
5. Post Construction Stormwater Management	D. Housekeeping/ O&M	<b>ONLY report in Consent Decree Compliance Reports</b> (due 3/10); Provide RIDEM with reports.
6. Good Housekeeping	D. Housekeeping/ O&M	<b>Report in Consent Decree Compliance Reports</b> (due 3/10) for Catch Basin and Street Sweeping efforts; Provide RIDEM with reports. <b>Report in RIPDES Annual Report</b> for other elements (stabilization of Road Side Shoulders, reducing floatables, Maintenance Facility SWPPPs and SPCCs).
TMDLs	A & B. TMDLs and Impaired Waters	<b>ONLY report in Consent Decree Compliance Reports</b> (due 3/10); Provide RIDEM with reports.
SRPWs & Impaired Waters	A & B. TMDLs and Impaired Waters	<b>ONLY report in Consent Decree Compliance Reports</b> (due 3/10); Provide RIDEM with reports.



**MINIMUM CONTROL MEASURE #1:  
PUBLIC EDUCATION AND OUTREACH (Part IV.B.1 General Permit)**

**SECTION I. OVERALL EVALUATION:**

<b>GENERAL SUMMARY, STATUS, APPROPRIATENESS AND EFFECTIVENESS OF MEASURABLE GOALS:</b>	
<p>Include information relevant to the implementation of each measurable goal, such as activities, topics addressed, audiences and pollutants targeted. Discuss activities to be carried out during the next reporting cycle. If addressing TMDL requirements, please indicate rationale for choosing the education activity to address the pollutant of concern.</p> <p><b>(Note: Identify parties responsible for achieving the measurable goals and reference any reliance on another entity for achieving measurable goals. Mark with an asterisk (*) if this person/entity is different from last year.)</b></p> <p><b>Responsible Party Contact Name: ALLISON HAMEL</b></p> <p><b>Phone: 401-479-1202 * Email: <a href="mailto:allison.hamel@dot.ri.gov">allison.hamel@dot.ri.gov</a></b></p>	
IV.B.1.b.1	<p>Use the space below to provide a General Summary of activities implemented to educate your community on how to reduce stormwater pollution. For TMDL affected areas, with stormwater associated pollutants of concern, indicate rationale for choosing the education activity. List materials used for public education and topics addressed. Summarize implementation status and discuss if the activity is appropriate and effective.</p> <p><b><u>BMP ID 1A, B – URI AGREEMENT</u></b></p> <p>The Rhode Island Department of Transportation’s (RIDOT) Office of Stormwater Management is responsible for partnering with Rhode Island Department of Environmental Management (RIDEM) and the University of Rhode Island (URI), through their Nonpoint Education for Municipal Officials (NEMO) Program at the Cooperative Extension of the College of the Environment and Life Sciences, to provide training to State and Municipal officials, and to create a coordinated statewide public outreach message. The target audience consists of State and Municipal officials, watershed groups, residents, and RIDOT personnel.</p> <p>Throughout 2013, RIDOT, RIDEM, and URI worked on drafting a new Agreement between these entities, which provides measurable goals, a five year timeline, and a budget for implementation. <b>The Agreement was finalized and signed by all parties in June 2014, and continued throughout 2017.</b></p> <p>The Agreement is structured so as to be funded for one (1) year, with the ability to extend the term to a total of five (5) years, pending funding availability. This Agreement is anticipated to constitute full compliance with Minimum Measure 1 of both the current and the next RIPDES General Permit during the term of the Agreement. <b>[ATTACHMENT 1A]</b></p> <p><b>A detailed summary of URI work has been provided for 2017. [ATTACHMENT 1B]</b></p> <p><b>RESPONSIBLE PARTIES</b> - The University of Rhode Island is the primary entity responsible for the implementation of RIDOT’s Public Education and Outreach Program with significant support &amp; coordination from RIDOT and RIDEM. The RIDOT Office of Stormwater Management (OSM) is responsible for the Program Management of this Agreement.</p> <p><b>EFFECTIVENESS</b> This Minimum Measure work has been extremely effective. Both Municipal officials and RIDOT personnel have received effective, appropriate, and useful training through this initiative. URI NEMO has continued to provide very high quality training with support from RIDEM and RIDOT.</p> <p><b>YEAR 15 (2018) EXPECTED ACTIONS</b> - RIDEM is an involved partner in this Agreement and has had an active role in developing the yearly actions required in the Agreement.</p> <p>In 2018, URI NEMO will focus efforts on finalizing StormwaterONE training modules that will be available to RIDOT staff, all RI Municipalities, and private consultants/contractors; developing model Ordinances for Municipalities, updating the RI Design and Installations Standards Manual and O&amp;M Templates; continue to provide stormwater training to Municipal and RIDOT staff; provide TMDL-specific trainings as needed; and provide children’s public education relating to stormwater topics.</p>

IV.B.1.b.2 Use the space below to provide a general summary of how the public education program was used to educate the community on how to become involved in the municipal or statewide stormwater program. Describe partnerships with governmental and non-governmental agencies used to involve your community.

2017: URI NEMO provides Annual Reports each year to RIDOT & RIDEM, which includes the measurable goals set and agreed upon by RIDOT, RIDEM, and URI in the contract agreement, and the success towards each. **[ATTACHMENT 1B]**

Check all topics that were included in the Public Education and Outreach program during this reporting period. For each of the topics selected, provide the target pollutant (e.g. construction sites, total suspended solids):

Topic	Target Pollutant(s)
<input checked="" type="checkbox"/> Construction Sites	sediment, total suspended solids, phosphorus, nitrogen, toxics (concrete washout, fuel leaks, etc.)
<input checked="" type="checkbox"/> Pesticide and Fertilizer Application	nitrogen and phosphorus
<input checked="" type="checkbox"/> General Stormwater Management Information	trash, grass clippings (nutrients), toxics (auto care)
<input checked="" type="checkbox"/> Pet Waste Management	bacteria
<input checked="" type="checkbox"/> Household Hazardous Waste Disposal	toxics
<input type="checkbox"/> Recycling	
<input checked="" type="checkbox"/> Illicit Discharge Detection and Elimination	Bacteria (sanitary waste connections)
<input checked="" type="checkbox"/> Riparian Corridor Protection/Restoration	Thermal pollution, phosphorus, nitrogen, bacteria
<input checked="" type="checkbox"/> Infrastructure Maintenance	TSS, Nitrogen, phosphorus, TSS, pathogens, metals
<input type="checkbox"/> Trash Management	
<input type="checkbox"/> Smart Growth	
<input checked="" type="checkbox"/> Vehicle Washing	Toxics (soap, oil, metals)
<input checked="" type="checkbox"/> Storm Drain Marking	Trash, bacteria (pet waste), toxics (paint, oil)
<input type="checkbox"/> Water Conservation	
<input checked="" type="checkbox"/> Green Infrastructure/Better Site Design/LID	Nitrogen, phosphorus, TSS, bacteria, runoff volume (impervious cover)
<input checked="" type="checkbox"/> Wetland Protection	Thermal pollution, phosphorus, nitrogen, bacteria
<input type="checkbox"/> Other:	

**Specific audiences targeted during this reporting period:**

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Public Employees | <input checked="" type="checkbox"/> Contractors    |
| <input checked="" type="checkbox"/> Residential      | <input checked="" type="checkbox"/> Developers     |
| <input checked="" type="checkbox"/> Businesses       | <input checked="" type="checkbox"/> General Public |
| <input type="checkbox"/> Restaurants                 | <input type="checkbox"/> Industries                |
| <input type="checkbox"/> Other:                      | <input type="checkbox"/> Agricultural              |

**Additional Measurable Goals and Activities**

Please list all stormwater training attended by your staff during the 2017 calendar year and list the name(s) and municipal position of all staff who attended the training.

Trainings:

**Office of Stormwater Management Training 2017**

Date	Staff Name	Training Title
1/25/2017	OSM	The Perfect Storm - Building healthy watershed and community with Green Infrastructure
2/27/2017	Joseph Baker	Maintenance of Drainage Features for Safety
2/28/2017	Allison Hamel	Conservation Planning for Pollinators and Beneficial Insects
3/9/2017	OSM	Stormwater Conference - The Future of Stormwater Management
3/16/2017	Joseph Baker	General Construction Stormwater Awareness Training
3/29/2017	Heather Hamilton	EPA Star Grants: Moving Green Infrastructure Forward
3/30/2017	Heather Hamilton	New Crediting Approaches: Impervious Cover Disconnection and CMAC

4/4-4/5/2017	Joseph Baker	SHRP2 R10 Training Project Management Strategies for Complex Projects
4/11/2017	Heather Hamilton	Earth Day in Schools: Hear about what educators are doing to 'soak up the rain' in schools & communities
5/18/2017	Heather Hamilton	Why Watersheds Matter
5/22/2017	Joseph Baker	Erosion and Sediment Control
5/24/2017	Heather Hamilton	Green Infrastructure in Parks: Small-scale, Low-cost Green Stormwater Mgt Projects for Parks & Public Lands
5/25/2017	Heather Hamilton	Green Infrastructure for Coastal Resilience
5/25/2017	Joseph Baker	Introducing Green Infrastructure for Coastal Resilience
6/6/2017	Heather Hamilton	Inspections of Construction Sites, Post-Construction BMPs
6/13/2017	Heather Hamilton	Rain Gardens to the Rescue: Using plants and natural systems to manage stormwater
7/6/2017	Joseph Baker	Equal Employment Opportunity Policy Statement
7/11/2017	Heather Hamilton	Creating Healthy, Resilient Communities through Green Infrastructure
7/25/2017	Heather Hamilton	Stream & Wetland Buffers Part 1: Restoration
8/15-8/16/2017	Joseph Baker	The Section 106 Essentials
8/22/2017	Heather Hamilton	Stream & Wetland Buffers Part 2: Education
9/13/2017	Heather Hamilton; Alisa Richardson	Tools for Trees: Better Stormwater Management and Livability Where to Put the Water: Assessing the Vulnerability of Urban Stormwater Systems to a Changing Climate
9/20/2017	Alisa Richardson	Green Infrastructure for Metro Providence: Moving from Planning to Implementation
9/20/2017	Alisa Richardson	Ensuring Bioretention Media Performance Success
9/26-9/27/2017	Joseph Baker	Planning & Facilitating Collaborative Meetings
10/10/2017	Joseph Baker	Practical Maintenance of Green Stormwater Infrastructure
10/11/2017	Heather Hamilton	Teach, Learn, Grow: The Value of Green Infrastructure in Schoolyards
10/12-10/13/2017	Joseph Baker	Global Hazardous Material Training & Certification
10/17-10/19/2017	Joseph Baker	Best Practices of Effective Project Teams
10/20/2017	OSM	Erosion & Sediment Control Field Day
10/19/2017	OSM	Erosion & Sediment Control Field Day
10/23-10/24	Heather Hamilton	Maine Stormwater Conference
11/9/2017	OSM	STU Inspection/Cleaning
11/16/2017	Heather Hamilton	Good Housekeeping & Municipal Pollution Prevention
11/16/2017	Joseph Baker	Managing Critical Path Method (CPM) Schedules
11/16/2017	Joseph Baker	Critical Path Method (CPM) Scheduling
11/17/2017	Joseph Baker	Maintenance of Drainage Features for Safety
12/5 - 6/2017	Allison Hamel, Heather Hamilton	Adobe Captivate Computer Training (for MS4 MM1)

**Project Manager Training 2017: (Attendance list provided in ATTACHMENT 1C)**

10/19-20/2017 SWCS Field Training **Erosion & Sediment Control Field Days**

**Construction Winter Training 2017: (Attendance list provided in ATTACHMENT 1C)**

10/19-20/2017 SWCS Field Training **Erosion & Sediment Control Field Days**

**Maintenance Training 2017: (Attendance list provided in ATTACHMENT 1C)**

10/10/2017 RI NEMO Field Training Practical Maintenance of Green Stormwater Infrastructure

11/9/17 OSM Tailgate Training IDDE + Cleaning and Inspecting STUs

**RESPONSIBLE PARTIES** - The University of Rhode Island is the primary entity responsible for the implementation of RIDOT's Public Education and Outreach Program with significant support & coordination from the RIDOT and RIDEM.

The Office of Stormwater Management is the primary RIDOT entity responsible for the implementation of storm water management training within the RIDOT Construction Winter Training program and the RIDOT Maintenance Summer Training program.

**EFFECTIVENESS** - This Minimum Measure work has been extremely effective. Both municipal officials and RIDOT personnel have received effective, appropriate, and useful training through this initiative.

**YEAR 15 (2018) EXPECTED ACTIONS** - RIDEM is an involved partner in this Agreement and has had an active role in developing the yearly actions required in the Agreement.

In 2018, URI NEMO will focus efforts on finalizing StormwaterONE training modules that will be available to RIDOT staff, all RI Municipalities, and private consultants/contractors; developing model Ordinances for Municipalities, updating the RI Design and Installations Standards Manual and O&M Templates; continue to provide stormwater training to Municipal and RIDOT staff; provide TMDL-specific trainings as needed; and provide children's public education relating to stormwater topics.

The RIDOT Office of Stormwater Management will continue to provide stormwater education to RIDOT Project Managers, Construction, Maintenance personnel and will continue to aid RIDEM and other State Agencies in stormwater education.

The Office of Professional Development and Training is committed to help meet RIDOT's professional development needs and will continue to offer learning opportunities and schedule training according to demand. The Office of Stormwater Management has been coordinating with the Chief of the Office of Professional Development and Training to provide stormwater and environmental training to all of RIDOT staff through a "RIDOT 101" Training series which every existing and new RIDOT employee will be required to attend. Additional job-specific stormwater & environmental training will be provided through the "RIDOT 201" training series. It is anticipated that these training series will be developed over the next two to four years.

**BMP ID 1C – RIDOT STORMWATER PROGRAM WEBSITE**

RIDOT has continued to maintain the Stormwater Program web page on the RIDOT website.

In 2014, RIDOT completely redesigned the Department's website, including the Stormwater Program web page. The new page is located at <http://www.dot.ri.gov/about/stormwater.php>

**Throughout 2017, RIDOT continued to update the page as necessary to include new information from the EPA Consent Decree compliance efforts.**

The primary on-line resource for Public Education and Outreach information will continue to be the "Know Where It Goes" website, created under the original RIDOT/RIDEM/URI Public Education and Outreach Agreement. The new Agreement provides funding for staff time for regular website maintenance of the "Know Where It Goes" campaign.

**RESPONSIBLE PARTIES** - The RIDOT Office of Communications, working with support from the Office of Stormwater Management, is the primary RIDOT entity responsible for the updating of the RIDOT Stormwater Program web page. The University of Rhode Island NEMO is the primary entity responsible for the updating of the "Know Where It Goes" web site.

**EFFECTIVENESS** - This Minimum Measure is an effective tool to provide general information about storm water issues.

**YEAR 15 (2018) EXPECTED ACTIONS** - Update both websites as needed.



**MINIMUM CONTROL MEASURE #2:  
PUBLIC INVOLVEMENT/PARTICIPATION (Part IV.B.2 General Permit)**

**SECTION I. OVERALL EVALUATION:**

**GENERAL SUMMARY, STATUS, APPROPRIATENESS AND EFFECTIVENESS OF MEASURABLE GOALS:**

Include information relevant to the implementation of each measurable goal, such as types of activities and audiences/groups engaged. Discuss activities to be carried out during the next reporting cycle. If addressing TMDL requirements, please indicate rationale for the activities chosen to address the pollutant of concern.

**(Note: Identify parties responsible for achieving the measurable goals and reference any reliance on another entity for achieving measurable goals. Mark with an asterisk (\*) if this person/entity is different from last year.)**

**Responsible Party Contact Name:** Allison Hamel

**Phone:** 401-479-1202 \* **Email:** [allison.hamel@dot.ri.gov](mailto:allison.hamel@dot.ri.gov)

IV.B.2.b.2.ii	Use the space below to describe audiences targeted for the public involvement minimum measure, include a description of the groups engaged, and activities implemented and if a particular pollutant(s) was targeted. If addressing TMDL requirements indicate how the audience(s) and/or activity address the pollutant(s) of concern. Name of person(s) and/or parties responsible for implementation of activities identified. Assess the effectiveness of BMP and measurable goal.
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**BMP ID 2B – PUBLIC INVOLVEMENT**

The RIDOT Office of Stormwater Management is responsible for partnering with RIDEM and URI, through their NEMO Program at the Cooperative Extension of the College of the Environment and Life Sciences, to provide a coordinated, statewide public outreach and involvement program. The target audience consists of State and Municipal officials, environmental & watershed groups, residents, and educational organizations.

Throughout 2013 & 2014, RIDOT, RIDEM, and URI continued to work on drafting a new Agreement between these entities, which provides measurable goals, and a five year timeline, and a budget for implementation. **The Agreement was finalized and signed by all parties in June 2014. The Agreement continued throughout 2017.** The Agreement is structured so as to be funded for one (1) year, with the ability to extend the term to a total of five (5) years, pending funding availability. This Agreement is anticipated to constitute full compliance with Minimum Measure 2 of both the current and the next RIPDES General Permit, with exception of the requirement for Public Notice of the Annual Report, during the term of the Agreement. **[ATTACHMENT 1A]**

A detailed summary of URI work has been provided for 2017. **[ATTACHMENT 1B]**

**RESPONSIBLE PARTIES** - The University of Rhode Island is the primary entity responsible for the implementation of RIDOT's Public Education and Outreach Program with significant support & coordination from the RIDOT and RIDEM. **RIDOT's Office of Stormwater Management is responsible for the Program Management of the URI Agreement and Public Involvement.**

**EFFECTIVENESS** - This Minimum Measure work has been extremely effective. Municipal officials, RIDOT personnel, and the general public have been given the opportunity to provide their input and insight on RIPDES requirements. URI NEMO has continued to provide very high quality training with support from both DEM and DOT and the URI T2 Center.

**YEAR 15 (2018) EXPECTED ACTIONS** - RIDEM is an involved partner in this Agreement and has had an active role in developing the yearly actions required in the Agreement.

In 2018, URI NEMO will focus efforts on finalizing StormwaterONE training modules that will be available to RIDOT staff, all RI Municipalities, and private consultants/contractors; developing model Ordinances for Municipalities, updating the RI Design and Installations Standards Manual and O&M Templates; continue to provide stormwater training to Municipal and RIDOT staff; provide TMDL-specific trainings as needed; and provide children's public education relating to stormwater topics. **[ATTACHMENT 1B]**

Opportunities provided for public participation in implementation, development, evaluation, and improvement of the Stormwater Management Program Plan (SWMPP) during this reporting period. Check all that apply:

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Cleanup Events   | <input type="checkbox"/> Storm Drain Markings            |
| <input type="checkbox"/> Comments on SWMPP Received  | <input checked="" type="checkbox"/> Stakeholder Meetings |
| <input type="checkbox"/> Community Hotlines          | <input type="checkbox"/> Volunteer Monitoring            |
| <input type="checkbox"/> Community Meetings          | <input type="checkbox"/> Plantings                       |
| <input checked="" type="checkbox"/> Other (describe) |  |

**Additional Measurable Goals and Activities**

The Office of Stormwater Management staff actively attends statewide & municipal meetings provided by municipalities, RIDEM, conservation groups, community groups, watershed groups, and other State agencies as part of MS4 RIPDES compliance, TMDL/Impaired Water compliance etc. Additionally, RIDOT invites stakeholders to participate and comment on Consent Decree and MS4 compliance initiatives (Stormwater Control Plan development, RIDOT Linear Manual, Capital Improvement Program, etc)

- 2017 Coordination with RIDEM and other MS4s, Stakeholders, & Community groups:
- Woonasquatucket River Watershed Council
  - RI State Conservation Committee
  - Upper Narragansett Bay Stormwater Management District Steering Committee
  - Pollinator Working Group
  - Green Infrastructure Coalition
  - RI Dept of Environmental Management – Nearmaps, West Nile Virus drainage basin tablets
  - RI Office of Energy Resources
  - SMILE Program
  - CSC Metro Providence
  - URITC
  - RI MS4s – Providence, Smithfield, North Smithfield, Glocester, Warwick, Cranston, Narragansett
  - NEARMaps
  - CRMC

**BMP ID 2C – PRISON CREW CLEANUPS**

In 2017, the RIDOT Maintenance Division has continued funding prison crew cleanups along RIDOT roadways.

- In 2013, RIDOT paid \$592,510 for prison crews and picked up 61,958 bags of litter.
- In 2014, RIDOT paid \$603,095 for prison crews and picked up 54,589 bags of litter.
- In 2015, RIDOT paid \$536,625 for prison crews and picked up 48,292 bags of litter
- In 2016, RIDOT paid \$603,745 for prison crews and picked up 54,655 bags of litter
- In 2017, RIDOT paid \$651,975 for prison crews and picked up 52,672 bags of litter

**RESPONSIBLE PARTIES** - RIDOT Maintenance is the primary RIDOT entity responsible for the implementation of this program; support from RIDOT Office of Stormwater Management is provided as needed.

**EFFECTIVENESS** - RIDOT considers this BMP very effective in both public involvement and the reduction of floatables/trash along RIDOT roadways.

**YEAR 15 (2018) EXPECTED ACTIONS** - RIDOT will continue this BMP

**BMP ID 2E – ENHANCEMENT PROGRAM**

RIDOT discontinued the reporting of this Measure due to the inapplicability of this measure.



**BMP ID 2A – ADOPT-A-HIGHWAY PROGRAM**

In 2017, the RIDOT Maintenance Division has continued supporting both the Adopt-a-Highway and the Sponsor-a-Highway programs. The programs have undergone a redesign to better track and manage the program.

The Adopt-a-Highway of previous years is now ADOPT-A-ROADWAY.

The Sponsor-a-Highway of previous years is now ADOPT-A-HIGHWAY.

<http://www.dot.ri.gov/community/adopta/index.php>

The **Adopt-A-Roadway** Program (formerly Adopt a Highway) is geared for non-profit, volunteer groups such as environmental groups, students, boy/girl scouts and civic minded businesses. RIDOT Maintenance provides advanced warning signs, safety vests, litter picks and trash bags. RIDOT Maintenance Division also fabricates and installs signs for this program (small signs are free to not-for-profit organizations; larger signs are a charge). The Sponsor is responsible to do a minimum of 4 cleanups per year. The segments in the AAR Program are on secondary roads (no high speed routes or interstates).

The **Adopt-A-Highway** Program (formerly Sponsor-A-Highway) is geared toward businesses and there are currently two companies that the Department does business with, Adopt-A-Highway Maintenance Corporation (AAHMC) and Adopt-A-Highway Litter Removal Service of America, Inc. (AAHLRSA). AAHMC and AAHLRSA are both based out of California and they are active in many states. They both charge a monthly fee to each Sponsor for the sign panel (Catch the Wave- Ride with Pride) and they are obligated to clean each segment 19 times per year. There is a set schedule for each company to follow and the cleanups take place on Mondays throughout the year. All companies send electronic cleanup reports.

The **Adopt-a-Spot** Program is designed to encourage landscaping in small locations such as traffic islands, median strips, and other undeveloped areas near roads and intersections

Measure Indicator	SFY17 Final Total	SFY18 Target	SFY18 July	SFY18 August	SFY18 September	SFY18 October	SFY18 November	SFY18 December	SFY18 January
Number of active Adopt-A-Roadway adoptees.	6	10	6	6	6	6	6	6	6
Number of active Adopt-A-Highway sponsors.	10.8	14	15	15	15	18	18	18	19
Number of Adopt-A-Highway litter bags collected during the month.	463	600	93	151	153	196	63	28	0
Number of Adopt-A-Roadway litter bags collected during the month.	16	40	9	16	20	21	10	0	0
Adopt/Sponsor									
Adopt-A-Spot Permits (New & Renewed)	0	6	0	1	0	0	36	0	1

**RESPONSIBLE PARTIES** - RIDOT Maintenance is the primary RIDOT entity responsible for the implementation of this program; support from RIDOT Office of Stormwater Management is provided as needed.

**EFFECTIVENESS** - RIDOT considers this BMP very effective in both public involvement and the reduction of floatables/trash along RIDOT roadways.

**YEAR 15 (2018) EXPECTED ACTIONS** - RIDOT Maintenance will continue this BMP

**SECTION II. Public Notice Information (Parts IV.G.2.h and IV.G.2.i) \*Note: attach copy of public notice**

Was the availability of this Annual Report and the Stormwater Management Program Plan (SWMPP) announced via public notice? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	If YES, Date of Public Notice:
How was public notified: <input type="checkbox"/> List-Serve (Enter # of names in List: _____) <input checked="" type="checkbox"/> Newspaper Advertising <input type="checkbox"/> TV/Radio Notices <input type="checkbox"/> Town Hall posting <input checked="" type="checkbox"/> Website <input type="checkbox"/> Other: Enter Web Page URL: <u>http://www.dot.ri.gov/</u>	
Was public meeting held? <input type="checkbox"/> YES <input type="checkbox"/> NO	Where:
Date:	
Summary of public comments received:	
Planned responses or changes to the program:	

**NOTICE OF AVAILABILITY  
2017 DRAFT ANNUAL REPORT  
OF THE RIDOT  
PHASE II STORM WATER MANAGEMENT PROGRAM PLAN**

The Director of the Rhode Island Department of Transportation (RIDOT) hereby gives public notice that the Draft 2017 RIDOT Storm Water Management Program Plan Annual Report, prepared in accordance with the Rhode Island Pollutant Discharge Elimination System (RIPDES) Program, is available for public inspection, review, and comment.

For further information and/or a copy of the document, please visit DOT's Storm Water website at: <http://www.dot.ri.gov/about/stormwater.php> or contact Allison Hamel at:  
 RIDOT, Office of Stormwater Management, 360 Lincoln Ave, Warwick, RI 02888  
 (401) 479-1202  
[allison.hamel@dot.ri.gov](mailto:allison.hamel@dot.ri.gov)

The documents may be reviewed at the Rhode Island Department of Transportation, Two Capitol Hill, Providence, Rhode Island from FEBRUARY 28, 2018 to MARCH 28, 2018 between the hours of 8:00 AM and 4:00 PM Monday through Friday, by appointment only.

**PUBLIC HEARING:**  
 A public hearing on the Annual Report or Revised Plan will be held if RIDOT receives such requests from twenty-five (25) people, a government agency or subdivision, or an association having not less than twenty-five (25) members. If a public hearing is to be held, a public notice will be published announcing the date, time, place of such hearing, and the deadline for submitting written comments.

**PUBLIC COMMENT PERIOD:** (FEBRUARY 28, 2018 to MARCH 28, 2018)

All comments on the documents should be submitted in writing or via email post-marked no later than 4:00 PM on MARCH 28, 2018. If, during the public comment period, significant new questions are raised concerning the document, DOT may require a new draft or may reopen the public comment period. A public notice will be issued for any of these actions.

**FINAL DECISION AND APPEALS:**

Following the close of the comment period, and after a public hearing, if such hearing is held, the Director will issue a final decision and forward a copy of the final documents to RIDEM and each person who has submitted written comments or requested notice.



## **MINIMUM CONTROL MEASURE #3: ILLICIT DISCHARGE DETECTION AND ELIMINATION (Part IV.B.3 General Permit)**

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The Rhode Island Department of Transportation has signed a Consent Decree with the US Environmental Protection Agency and Department of Justice. The Consent Decree was entered by US Federal Court, and is effective as of December 22, 2015. The full Consent Decree may be viewed on the RIDOT Stormwater Management website at: <http://www.dot.ri.gov/about/stormwater.php>

The Consent Decree requires RIDOT to comply with Remedial Measures identified for Illicit Discharge Detection and Elimination (IDDE), Post Construction Runoff Controls, Good Housekeeping, and Total Maximum Daily Loads (TMDLs). The Consent Decree also requires Compliance Reporting. Where Consent Decree Remedial Measures cover RIPDES Minimum Measures, RIDOT will report in the Consent Decree Reports only.

**PLEASE SEE RIDOT CONSENT DECREE ANNUAL REPORT FOR INFORMATION ON THIS MINIMUM CONTROL MEASURE.**

***Minimum Measure 3, IDDE: the Consent Decree Remedial Measure C covers all RIPDES Minimum Measure 3 requirements.*** No data is provided in this section of the RIPDES Annual Report.



**MINIMUM CONTROL MEASURE #4:  
CONSTRUCTION SITE STORMWATER RUNOFF CONTROL  
(Part IV.B.4 General Permit)**

**SECTION I. OVERALL EVALUATION:**

**GENERAL SUMMARY, STATUS, APPROPRIATENESS AND EFFECTIVENESS OF MEASURABLE GOALS:**

Include information relevant to the implementation of each measurable goal, such as activities implemented to support the review, issuance and tracking of permits, inspections and receipt of complaints. Discuss activities to be carried out during the next reporting cycle. If addressing TMDL requirements, please indicate rationale for the activities chosen to address the pollutant of concern.

**(Note: Identify parties responsible for achieving the measurable goals and reference any reliance on another entity for achieving measurable goals. Mark with an asterisk (\*) if this person/entity is different from last year.)**

**Responsible Party Contact Name:** David Fish, PE

**Phone:** 401-222-2468

**Email:** [david.fish@dot.ri.gov](mailto:david.fish@dot.ri.gov)

IV.B.4.b.1	<p>Indicate if the Sediment and Erosion Control and Control of Other Wastes at Construction Sites ordinance was <b>not</b> developed, adopted, and submitted to RIDEM, explain reasons why, submit proposed schedule for completion and identify person(s) / Department and/or parties responsible for the completion of this requirement.</p> <p><b>Date of Adoption:</b> ____ N/A ____</p> <p>If the Ordinance was amended in 2017, please indicate why changes were necessary. <b>Please also indicate if amendments have been made based on the 2010 RI Stormwater Design and Installation Standards Manual, and provide references to the amended portions of the local codes/ordinances.</b></p>
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**RIDOT does not have authority to develop &/or adopt ordinances.** RIDOT relies on the RIDOT Standard Specifications for Road and Bridge Design and Other Specifications, Contract Specific and Job Specific Specifications, and the RIPDES General Permit for Storm Water Discharge Associated with Construction Activity for compliance with this measure. **2017: RIDOT continues to work on Job-Specific (JS pages) and Contract Specific (CS pages) for new RIDOT projects. See ATTACHMENT 4A for an updated example for the Providence 6/10 project.**

The RIPDES General Permit for Storm Water Discharge Associated with Construction Activity requires sediment and erosion control and other waste control at construction sites for sites with disturbance greater or over one acre. As the RIPDES permit requirement is met by the Construction General Permit, RIDOT has focused on creating standardized construction site Soil Erosion & Sediment Control (SESC) Plan templates, which have been in use at RIDOT since 2008 and have been made available to all MS4s via a training session in August 2009. RIDOT created both a Large Site Soil Erosion & Sediment Control (SESC) Plan Template for projects with over an acre of soil disturbance (required by the General Permit), and a Small Site SWPPP Template for projects with less than an acre of soil disturbance (not required by the General Permit, but enacted by RIDOT to further control erosion and sedimentation at our Construction sites).

In 2014, RIDOT initiated a URI research project to investigate implementation of a revised model of the RIDEM “Environmental Results/Compliance Assistance Program (CAP)” on RIDOT Construction Sites. This program continued through 2017. Please see **ATTACHMENT 4B** for 2017 Annual Report.

In 2017, RI engaged EPA, RIDEM and CRMC in the development of a Linear Stormwater Manual. This Linear Manual will be finalized this summer. The manual guides project managers and designers through the process of attaining RIDOTs 50% treatment of Stormwater for every project (except when the project is striping or other minor work). These goals have been implemented for all projects regardless of their need for permits from the regulatory agencies. As the manual steps the designer through a process of meeting these goals, it specifies that the designer must evaluate all LID options before designing Stormwater treatment.

**RESPONSIBLE PARTIES** - RIDOT Design, Construction, and the Office of Stormwater Management are the primary RIDOT entities responsible for the implementation of this program.

**EFFECTIVENESS** - RIDOT considers the SESC Plan templates successful, however full implementation still remains inconsistent

**YEAR 15 (2018) EXPECTED ACTIONS** - Implement RIDOT training on SESC Plans and inspection requirements through StormwaterONE online training; Continue the URI-Eng Compliance Assistance Program classroom and field training; Continue efforts with RIDEM and Construction Industries of Rhode Island (CIRI) to develop and offer Contractor stormwater awareness and compliance training.

**CONSTRUCTION SITE STORMWATER RUNOFF CONTROL cont'd**

<p>IV.B.4.b.6</p>	<p>Use the space below to describe actions taken as a result of receipt and consideration of information submitted by the public.</p> <p>RIDOT's Executive Office includes a Customer Service Office. The purpose of the Customer Service Office is to keep information lines open between the citizens of Rhode Island and RIDOT. We hope to inform, assist, and coordinate our efforts with the general public, cities/towns, businesses, chambers of commerce, public and private organizations, and elected officials during all phases of transportation projects, from concept through completion, to lessen both construction inconveniences and economic impacts. We will strive to produce an effective public information program incorporating such tools as public meetings, project brochures and informational handouts concerning our roads and bridges. Our web site will continue to post up-to-date information on the progress of our projects. The Customer Service Office will also respond to any questions or concerns the public may have regarding the Department of Transportation. The Customer Service Office may be contacted via phone, email, or the RIDOT website: <a href="http://www.dot.state.ri.us/custserv/index.html">http://www.dot.state.ri.us/custserv/index.html</a>.</p> <p>RIDOT's OSM received a citizen complaint on 7/3/17 regarding sediment plumes in Georgiaville Pond (Smithfield), assumed to be from the upstream construction of Capron Bridge. OSM staff visited the site on 7/5/17 and again on 7/7/17 with RIDOT NRU staff, and met with the project's RE and contractors both days. OSM discussed the dewatering issues with RIDEM's C. Horbert and advised the contractor and RE regarding our permit requirements. The contractors reconfigured their dewatering operation to comply with our RIPDES CGP permit. On 11/27/17, OSM &amp; NRU staff attended the final inspection and OSM submitted comments to Construction Management and Project Management regarding outstanding stormwater issues, including soil stabilization and erosion &amp; sediment controls. OSM staff continued communication with the pond residents and the Town Engineer throughout the process.</p> <p><b>RESPONSIBLE PARTIES</b> - RIDOT Office of Customer Service is the primary RIDOT entity responsible for the implementation of this program.</p> <p><b>EFFECTIVENESS</b> - RIDOT considers this effort effective, but not well measured. Construction is not yet integrated into VUEWorks.</p> <p><b>YEAR 15 (2018) EXPECTED ACTIONS</b> - RIDOT will continue this effort with anticipated efforts towards better documentation.</p>
<p>IV.B.4.b.8</p>	<p>Use the space below to describe activities and actions taken as a result of referring to the State non-compliant construction site operators. The operator may rely on the Department for assistance in enforcing the provisions of the RIPDES General Permit for Stormwater Discharges Associated with Construction Activity to the MS4 if the operator of the construction site fails to comply with the local and State requirements of the permit and the non-compliance results or has the potential to result in significant adverse environmental impacts.</p>
	<p>RIDOT requires the Prime Contractor awarded each construction contract that includes an SESC Plan to sign the plan as "Operator". Any sub-contractor involved in earthwork is also required to sign a signature page acknowledging SESC Plan requirements.</p> <p>RIDOT has implemented a revised Job-Specific Specification that applies a tiered fine for non-compliance with the Maintenance and Cleaning of Erosion and Pollution Controls. This Specification will remain Job Specific in order to be tailored to meet the requirements of each individual contract.</p> <p>2017: RIDOT continues to work on Job-Specific (JS pages) and Contract Specific (CS pages) for new RIDOT projects. See <b>ATTACHMENT 4A</b> for an updated example for the Providence 6/10 project.</p> <p><b>RESPONSIBLE PARTIES</b> - RIDOT Design, Construction, and the Office of Stormwater Management are the primary RIDOT entities responsible for the implementation of this program.</p> <p><b>EFFECTIVENESS</b> - RIDOT considers this effort effective.</p> <p><b>YEAR 15 (2018) EXPECTED ACTIONS</b> - RIDOT will continue this effort.</p>

Additional Measurable Goals and Activities

**BMP ID 4A – E, H – J – REVIEW/REVISE RIDOT POLICIES**

RIDOT additional BMPs (RIDOT SWPPP 4A – E; H-J) have been informally adopted. Although the Standard Specifications have not been formally revised, the BMPs have been implemented in a manner such that legal responsibility is placed on the Contractors to follow environmental permits, conditions, and requirements. RIDOT has implemented many of the BMPs via the Job Specific (J-S) pages or the Contract Specific (C-S) pages of the Contract Documents. RIDOT has also drafted a revised Environmental Protection specification (Section 104.15 of the RIDOT Standard Specifications) to further clarify what is required of State contractors bidding on RIDOT construction projects. This specification, along with the entire Chapter it is part of, are under Legal review, which must be completed prior to adoption.

Both Construction Site SESC Plan Templates (large-site and small-site) are being utilized for RIDOT Construction projects. Job Specific and Contract Specific pages include specific requirements regarding additional, or more specific, specifications regarding environmental protection. The Natural Resources Unit ensures that the JS and/or CS pages include the environmental protection language in all applicable contracts.

RIDOT has reviewed the BMPs originally provided in the SWPPP Measure 4 – Construction Site Runoff Control, and feels that the spirit of the BMPs are satisfied with the Standard Specification section 104.15 revision, the inclusion of environmental protection language in to J-S and C-S pages, and the development and use of the Construction Site SESC Plan templates.

**BMP ID 4G – EROSION AND SEDIMENTATION CONTROL TRAINING**

Please see Minimum Measure 1 – StormwaterONE training

**BMP ID 4K, 4L – WASTE CONTROL TRAINING**

The standard specifications require proper control and disposal of construction site waste. The Resident Engineer is responsible for ensuring these specifications are met onsite; training is provided as part of the Construction Winter Training Series. Please see Minimum Measure 1.

**BMP ID 4M, 4N, 4O – PRE-CONSTRUCTION MEETINGS**

The OSM attends meetings with Construction Contractors (ie “Operators”) prior to construction commencement to review environmental constraints and permit conditions.

**RESPONSIBLE PARTIES** - RIDOT Design, Construction, Project Management and the Office of Stormwater Management are the primary RIDOT entities responsible for the implementation of this program.

**EFFECTIVENESS** - RIDOT considers this effort effective.

**YEAR 15 (2018) EXPECTED ACTIONS** - RIDOT will continue this effort.

**SECTION II. A - Plan and SWPPP/SESC Plan Reviews during YEAR 14 (2017), Part IV.B.4.b.2:** Issuance of permits and/or implementation of policies and procedures for all construction projects resulting in land disturbance of greater than 1 acre.  
**Part IV.B.4.b.4:** Review 100% of plans and SWPPPs/SESC Plans for construction projects resulting in land disturbance of 1-5 acres must be conducted by adequately trained personnel and incorporate consideration of potential water quality impacts.

# of Construction Applications Received: \_\_\_\_

# of Construction Reviews Completed: 121 reviews (not all have SESC)

# of Permits/Authorizations Issued:

Summary of Reviews and Findings, include an evaluation of the effectiveness of the program.

All RIDOT projects that require SESC due to land disturbance activities over an acre require RIDEM permitting; in 2017 RIDOT Office of Stormwater Management reviewed 121 projects for Stormwater & Consent Decree - related issues during various stages of design (from Scoping to PS&E Contracts) **ATTACHMENT 4C**

Identify person(s) /Department and/or parties responsible for the implementation of this requirement: **RIDOT OSM**

**SECTION II.B - Erosion and Sediment Control Inspections during YEAR 14 (2017), Parts IV.G.2.n and**

**IV.B.4.b.7:** Inspection of 100% of all construction projects within the regulated area that discharge or have the potential to discharge to the MS4 (the program must include two inspections of all construction sites, first inspection to be conducted during construction for compliance of the Erosion and Sediment controls at the site, the second to be conducted after the final stabilization of the site).

# of Active Construction Projects: 98	
# of Site Inspections: Unknown	# of Complaints Received: 1* (See IV.B.4.b.6)
# of Violations Issued: Unknown	# of Unresolved Violations Referred to RIDEM: 0

Summary of Enforcement Actions, include an evaluation of the effectiveness of the program.

**Large Site SESC Projects (>1acre):** RIDOT Construction projects that disturb an area greater than one acre are required to have Soil Erosion & Sediment Control (SESC) Plans under the RIPDES Construction General Permit. SESC Plans require erosion and sedimentation control inspections on a weekly basis, and after a storm event. RIDOT hires consultant inspectors to perform SESC Plan inspections on RIDOT construction projects. Each active construction project with an SESC Plan is supposed to have weekly &/or storm event E&S monitoring.

Two of RIDOT's larger projects have consultants completing the SWPPPs:

- Replacement of Providence Viaduct Bridge No. 578 – 30 inspections in 2017
- Replacement of Central Bridge #182, Massasoit Avenue, Barrington – 64 inspections in 2017

RIDOT OSM staff have documented inspections of the following:

(2015-CB-033) Pleasant Valley Parkway, Providence- (2+) submitted documentation to PM/RE for non-compliance, got inspector (private) out there to follow up on corrective actions

(2016-CB-056) Slatersville Stone Arch Bridge, N. Smithfield- discussed non-compliance issues with RE onsite

(2016-CB-008) Capron Bridge, Smithfield- (3+) inspections already discussed

(2016-CH-006) Improvements to High Street/Kingstown Rd., South Kingstown- (2+) discussed non-compliance issues with RE and inspector on site

(2017-CH-045) Snell Road, Little Compton- (3) documented minor non-compliance upon start of construction, emailed RE, met with RE and inspector on site as ESC were being installed, reviewed SESC plan inspection reports with them, provided fact sheets, and other helpful documents to RE

(2017-CH-012) High Street/Main Street Stormwater Mitigation, South Kingstown- (2) met with contractor and inspector, discussed site with RE via email, compliant site

(2015-CT-008) Route 102 Roundabout, Coventry- (3+) met RE onsite more than once, met PM1 and PM2 onsite to handle stormwater/drainage issues, met with RIDEM to discuss drainage issues that involved wetlands

(2015-CB-049) Airport Connector/Rte 2 Bridges, Warwick- (3+) documented multiple non-compliance issues on a continual basis, met on site with RE and PM, presented RE with photo documentation of issues, multiple emails to RE, no resolution

(2015-CH-062) Woodville Rd., Hopkinton- met with inspector, RE, & contractor on site, discussed project with PM post visit, drainage issues, minor non-compliance, concerns with future problems due to poor drainage design

(2012-CB-001) Central Bridge, Barrington- visited site, work complete, stabilization & ESC issues remain, multiple conversations with inspector/PM post inspection, spring replanting planned

(2016-CB-051) Newman Ave Bridge, East Providence- site visit, no issues, no RE or contractors on site, injury that day shut down work

RIDOT OSM staff have also informally (i.e. undocumented) inspected many active construction sites as part of routine field work. RIDOT OSM will work to document these in 2018.

**Small Site SWPP Projects (<1acre):** RIDOT Construction projects that disturb an area less than one acre are required to have a Small Site Soil Erosion & Sediment Control (SmallSESC) Plans. Small SESCOs require erosion and sedimentation control inspections on a weekly basis, and after a storm event. RIDOT Resident Engineers (or a designated inspector) are supposed to perform the inspections on RIDOT construction projects. RIDOT does not document these Small-Site inspections in a way that may be summarized for this report.

**Final Inspections:** Final Inspections are conducted on every RIDOT construction project, and are attended when possible by appropriate personnel from the Finals, Maintenance, Design, Construction, and Environmental sections. If any drainage work, BMP, or proper stabilization is noted as not being correctly installed/established, the contractor is notified of this as part of a "Punch List" and must remedy the issue before Final Acceptance is granted. Final payment is based on this Final Acceptance.

**In 2017, there were 32 Final Inspections. [ATTACHMENT 4D]  
RIDOT OSM attended the following final inspection:**

- 11/29/17-- 2016-CB-008 (Capron Bridge)
- 11/16/17-- 2015-CH-060 (Statewide Resurfacing)
- 10/11/17-- 2015-CH-073 (Route 4)
- 8/31/17-- 2014-CH-071 (Broadway, Newport Streetscapes)
- 8/22/17-- 2012-CB-033 (Viaduct, Southbound)

In 2014, RIDOT initiated a URI research project to investigate implementation of a revised model of the RIDEM "Environmental Results Program" on RIDOT Construction Sites. RIDOT/URI Engineering continued this program throughout 2017. Please see **ATTACHMENT 4B** for 2017 Annual Report.

**Violations:**

RIDEM Inspected Five (5) RIDOT sites from July to October 2015. Three (3) of Five (5) met the definition of Significant Non-Compliance and were referred to OCI for formal enforcement. 2 of 5 resolved outstanding issues in a timely manner.

- RIDOT Barton Corner Bridge – Inspected 7/17/2015 —> enforcement
- RIDOT Route 1 Pier Caps - Inspected 7/20/2015 —> resolved
- RIDOT Providence Viaduct – Inspected 8/28/2015 —> resolved
- RIDOT Great Island Bridge – Inspected 9/17/2015 —> enforcement
- RIDOT Apponaug Circulator – Inspected 9/30/2015 —> enforcement

2017 - RIDOT received a formal RIDEM enforcement for the RIDOT Great Island Bridge project. This project had a final inspection on January 12, 2017; Acceptance of Final Work remains open. **ATTACHMENT 4E**

Identify person(s) /Department and/or parties responsible for the implementation of this requirement:

**RESPONSIBLE PARTIES** - RIDOT Office of Stormwater Management will be the primary RIDOT entity responsible for the implementation of this program, with support from the RIDOT Natural Resources Unit.

**EFFECTIVENESS** - RIDOT does not consider this effort effective. RIDOT has failed to implement required procedures.

**YEAR 15 (2018) EXPECTED ACTIONS** - RIDOT will increase compliance and tracking efforts going through the Office of Stormwater Management.





## **MINIMUM CONTROL MEASURE #5: POST CONSTRUCTION STORMWATER MANAGEMENT IN NEW DEVELOPMENT AND REVELOPMENT (Part IV.B.5 General Permit)**

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The Rhode Island Department of Transportation has signed a Consent Decree with the US Environmental Protection Agency and Department of Justice. The Consent Decree was entered by US Federal Court, and is effective as of December 22, 2015. The full Consent Decree may be viewed on the RIDOT Stormwater Management website at: <http://www.dot.ri.gov/about/stormwater.php>

The Consent Decree requires RIDOT to comply with Remedial Measures identified for Illicit Discharge Detection and Elimination (IDDE), Post Construction Runoff Controls, Good Housekeeping, and Total Maximum Daily Loads (TMDLs). The Consent Decree also requires Compliance Reporting. Where Consent Decree Remedial Measures cover RIPDES Minimum Measures, RIDOT will report in the Consent Decree Reports only.

**PLEASE SEE RIDOT CONSENT DECREE ANNUAL REPORT FOR INFORMATION ON THIS MINIMUM CONTROL MEASURE.**

*Minimum Measure 5, Post Construction Stormwater Management: the Consent Decree Remedial Measure D covers all RIPDES Minimum Measure 5 requirements.* No data is provided in this section of the RIPDES Annual Report.



## **MINIMUM CONTROL MEASURE #6: POLLUTION PREVENTION AND GOOD HOUSEKEEPING IN MUNICIPAL OPERATIONS (Part IV.B.6 General Permit)**

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The Rhode Island Department of Transportation has signed a Consent Decree with the US Environmental Protection Agency and Department of Justice. The Consent Decree was entered by US Federal Court, and is effective as of December 22, 2015. The full Consent Decree may be viewed on the RIDOT Stormwater Management website at: <http://www.dot.ri.gov/about/stormwater.php>

The Consent Decree requires RIDOT to comply with Remedial Measures identified for Illicit Discharge Detection and Elimination (IDDE), Post Construction Runoff Controls, Good Housekeeping, and Total Maximum Daily Loads (TMDLs). The Consent Decree also requires Compliance Reporting. Where Consent Decree Remedial Measures cover RIPDES Minimum Measures, RIDOT will report in the Consent Decree Reports only.

**PLEASE SEE CONSENT DECREE ANNUAL REPORT FOR INFORMATION ON: CATCH BASIN INVENTORY, INSPECTION, MAINTENANCE MINIMUM CONTROL MEASURE AND ANNUAL STREET SWEEPING MINIMUM CONTROL MEASURE**

*Minimum Measure 6, Maintenance Facility SWPPP/Pollution Prevention and Winter Operations: This report documents the RIDOT's measurable goals in 2017 that are NOT part of the EPA Consent Decree. RIPDES Applicable sections are highlighted in yellow.*

**SECTION I. OVERALL EVALUATION:**

<p><b>GENERAL SUMMARY, STATUS, APPROPRIATENESS AND EFFECTIVENESS OF MEASURABLE GOALS:</b></p> <p>Include information relevant to the implementation of each measurable goal, such as activities and practices used to address on-going requirements, and personnel responsible. Discuss activities to be carried out during the next reporting cycle. If addressing TMDL requirements, please indicate rationale for the activities chosen to address the pollutant of concern.</p> <p><b>(Note: Identify parties responsible for achieving the measurable goals and reference any reliance on another entity for achieving measurable goals. Mark with an asterisk (*) if this person/entity is different from last year.)</b></p> <p><b>Responsible Party Contact Name:</b> Joseph Bucci, Administrator Highway And Bridge Maintenance  <b>Phone:</b> 401-734-4800    <b>Email:</b> joseph.bucci.@dot.ri.gov</p>	
IV.B.6.b.1.i	<p>Use the space below to describe activities and actions taken to identify structural BMPs owned or operated by the small MS4 operator (the program must include identification and listing of the specific location and a description of all structural BMPs in the SWMPP and update the information in the Annual Report). Evaluate appropriateness and effectiveness of this requirement.</p> <p><b>Do you have an inventory of MS4-owned/operated BMPs?</b>    <input type="checkbox"/> YES    <input type="checkbox"/> NO</p> <p><b>Total # of MS4-owned/operated BMPs</b> (does not include CBs or MHs): _____</p>
<p><b>Reporting of this effort is part of the Consent Decree Compliance report.</b></p>	
IV.B.6.b.1.ii	<p>Use the space below to describe activities and actions taken for inspections, cleaning and repair of detention/retention basins, storm sewers and catch basins with appropriate scheduling given intensity and type of use in the catchment area. Evaluate appropriateness and effectiveness of this requirement.</p> <p><b># of MS4-owned/operated BMPs inspected in 2017:</b> _____</p> <p><b># of MS4-owned/operated BMPs maintained/cleaned in 2017:</b> _____</p> <p><b># of MS4-owned/operated BMPs repaired in 2017:</b> _____</p> <p>Does your municipality/MS4 have a system for tracking:</p> <p>a. Inspection schedules of MS4-owned BMPs?    <input type="checkbox"/> YES    <input type="checkbox"/> NO</p> <p>b. Maintenance/cleaning schedules of MS4-owned BMPs?    <input type="checkbox"/> YES    <input type="checkbox"/> NO</p> <p>c. Repairs, corrective actions needed?    <input type="checkbox"/> YES    <input type="checkbox"/> NO</p> <p>d. Complaints?    <input type="checkbox"/> YES    <input type="checkbox"/> NO</p> <p>Do you use an electronic tool (e.g. GIS, database, spreadsheet) to track stormwater BMPs, inspections, and maintenance?    <input type="checkbox"/> YES    <input type="checkbox"/> NO</p>
<p><b>BMP IDs 6F, 6G, 6H, 6I, 6J, 6M, 6N, 6O, 6P, 6Q, 6R</b></p> <p><b>Reporting of this effort is part of the Consent Decree Compliance report.</b></p>	
IV.B.6.b.1.iii	<p>Use the space below to describe activities and actions taken to support the requirement of yearly inspection and cleaning of all catch basins (a lesser frequency of inspection based on at least two consecutive years of operational data indicating the system does not require annual cleaning might be acceptable). Evaluate appropriateness and effectiveness of this requirement.</p> <p><b>Total # of CBs within regulated area (including SRPW and TMDL areas):</b> _____</p> <p><b># of CBs inspected in 2017:</b> _____    <b>% of Total inspected:</b> _____</p> <p><b># of CBs cleaned in 2017:</b> _____    <b>% of Total cleaned:</b> _____</p> <p>Quantity of sand/debris collected by cleaning of catch basins: _____</p> <p>Location used for the disposal of debris: _____</p> <p>Do you use an electronic tool (e.g. GIS, database, spreadsheet) to track the inspections and cleaning of catch basins?    <input type="checkbox"/> YES    <input type="checkbox"/> NO</p>
<p><b>BMP ID 6K, 6L – ANNUAL CATCH BASIN CLEANING</b></p> <p><b>Reporting of this effort is part of the Consent Decree Compliance report.</b></p>	
IV.B.6.b.1.iv	<p>Use the space below to describe activities and actions taken to minimize erosion of road shoulders and roadside ditches by requiring stabilization of those areas. Evaluate appropriateness and effectiveness of this requirement.</p>
<p><b>BMP ID 6S – Stabilization of roadside shoulders</b></p> <p>In 2014 and 2015, RIDOT has introduced reduced mowing in applicable areas and has eliminated the use of haybales on projects. Both practices have been beneficial.</p> <p>2016: No new developments.</p> <p>2017: RIDOT Office of Stormwater Management has been coordinating with the State Pollinator Working Group to develop roadside pollinator habitat SOPs. This work is still in the research &amp; feasibility stage, with more work to continue in 2018.</p>	

**POLLUTION PREVENTION AND GOOD HOUSEKEEPING IN MUNICIPAL OPERATIONS cont'd**

IV.B.6.b.1.v	Use the space below to describe activities and actions taken to identify and report known discharges causing scouring at outfall pipes or outfalls with excessive sedimentation, for the Department to determine on a case-by-case basis if the scouring or sedimentation is a significant and continuous source of sediments. Evaluate appropriateness and effectiveness of this requirement.
<p align="center"><b>Reporting of this effort is part of the Consent Decree Compliance report.</b></p>	
IV.B.6.b.1.vi	Use the space below to indicate if all streets and roads within the urbanized area were swept annually and if not indicate reason(s). Evaluate appropriateness and effectiveness of this requirement. <b>Total roadway miles within regulated area (including SRPW and TMDL areas):</b> _____ <b>Roadway miles that were swept in 2017:</b> _____ <b>% of Total swept:</b> _____ Type of sweeper used: <input type="checkbox"/> Rotary brush street sweeper <input type="checkbox"/> Vacuum street sweeper Quantity of sand/debris collected by sweeping of streets and roads: _____ Location used for the disposal of debris: _____ Do you use an electronic tool (e.g. GIS, database, spreadsheet) to track the annual sweeping of streets and roads? <input type="checkbox"/> YES <input type="checkbox"/> NO
<p align="center"><b>Reporting of this effort is part of the Consent Decree Compliance report.</b></p>	
IV.B.6.b.1.vii	Use the space below to describe activities and actions taken for controls to reduce floatables and other pollutants from the MS4. Evaluate appropriateness and effectiveness of this requirement.
<p align="center"><b>Please see BMP ID 2B – PUBLIC INVOLVEMENT</b></p>	
IV.B.6.b.1.viii	Use the space below to describe the method for disposal of waste removed from MS4s and waste from other municipal operations, including accumulated sediments, floatables and other debris and methods for record-keeping and tracking of this information.  Do you have a system for tracking actions to remove and dispose of waste? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<p>RIDOT Maintenance facilities have Stormwater Pollution Prevention Plans and/or Spill Prevention Plans (as appropriate) which require the proper storage and removal of waste. (Submitted to RIDEM RIPDES w/ 2006 Annual Report; Updated Reports submitted with 2012 Annual Report). Catch basin and street sweeping wastes are disposed of at the Johnston Rhode Island Resource Recovery landfill following applicable state regulations and guidance. In 2011, the SWPPPs and SPCCs were evaluated and updated.</p> <p>RIDOT Construction projects must adhere to the RIDOT Standard Specifications (“Blue Book”), which requires the proper and legal disposal of waste from all RIDOT Construction sites. In order for a Contractor to get paid for the item, proper documentation and record-keeping is required.</p> <p><b>RESPONSIBLE PARTIES</b> - RIDOT Maintenance and Construction are the primary RIDOT entities responsible for the implementation of this program.</p> <p><b>EFFECTIVENESS</b> - RIDOT considers this measure effective.</p> <p><b>YEAR 15 (2018) EXPECTED ACTIONS</b> - RIDOT Maintenance &amp; Construction will continue this program.</p>	
IV.B.6.b.4 and IV.B.6.b.5	Use the space below to describe and indicate activities and corrective actions for the evaluation of compliance. This evaluation must include visual quarterly monitoring; routine visual inspections of designated equipment, processes, and material handling areas for evidence of, or the potential for, pollutants entering the drainage system or point source discharges to a waters of the State; and inspection of the entire facility at least once a year for evidence of pollution, evaluation of BMPs that have been implemented, and inspection of equipment. A Compliance Evaluation report summarizing the scope of the inspection, personnel making the inspection, major observations related to the implementation of the Stormwater Management Plan (formerly known as a Stormwater Pollution Prevention Plan), and any actions taken to amend the Plan must be kept for record-keeping purposes.
<p>RIDOT Maintenance facilities have Stormwater Pollution Prevention Plans and/or Spill Prevention Plans (as appropriate). The Facility SWPPP requires actions (inspections, monitoring, reporting) fulfilling obligations under IV.B.6.b.4 and IV.B.6.b.5. The SWPPPs and SPCCs were updated in 2011.</p> <p><b>RESPONSIBLE PARTIES</b> - RIDOT Maintenance is the primary RIDOT entity responsible for the implementation of this program.</p> <p><b>EFFECTIVENESS</b> - RIDOT considers this measure effective.</p> <p><b>YEAR 15 (2018) EXPECTED ACTIONS</b> - RIDOT Maintenance will continue this program.</p>	

**POLLUTION PREVENTION AND GOOD HOUSEKEEPING IN MUNICIPAL OPERATIONS cont'd**

<p>IV.B.6.b.6</p>	<p>Use the space below to describe all employee training programs used to prevent and reduce stormwater pollution from activities such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and stormwater system maintenance for the past calendar year, including staff municipal participation in the URI NEMO stormwater public education and outreach program and all in-house training conducted by municipality or other parties. Evaluate appropriateness and effectiveness of this requirement.</p> <p>How many stormwater management trainings have been provided to <i>municipal RIDOT employees</i> during this reporting period? <b>2 trainings for Maintenance Drainage crew. Please see MM1 and MM2 and all ATTACHMENTS</b></p> <p>What was the date of the last training? <b>Nov 2017</b></p> <p>How many <i>municipal RIDOT employees</i> have been trained in this reporting period? <b>15</b></p> <p>What percent of <i>municipal RIDOT employees</i> in relevant positions and departments received stormwater management training? _____%</p>
<p><b><u>BMP ID 6C, 6D, 6E – EMPLOYEE TRAINING</u></b> Please see Minimum Measure 1.</p>	
<p>IV.B.6.b.7</p>	<p>Use the space below to describe actions taken to ensure that new flow management projects undertaken by the operator are assessed for potential water quality impacts and existing projects are assessed for incorporation of additional water quality protection devices or practices. Evaluate appropriateness and effectiveness of this requirement.</p>
<p>N/A to RIDOT</p>	
<p>Additional Measurable Goals and Activities</p> <p><b>DRAINAGE OPERATIONS</b> The RIDOT Maintenance Division added an in-house statewide drainage crew in 2016. The in-house statewide drainage crew expands the Department’s resources to clean and repair (better maintain) the State’s drainage infrastructure (catch basins, manholes, drain pipe, BMPs, outfalls, etc.). Currently, the in-house statewide drainage crew consists of 10 personnel and they operate out of the RIDOT Scituate Facility. They have 6 Stetco trucks and 2 vactor trucks in addition to their other standard equipment. Work performance is reported in the Consent Decree Annual Report. <b>New equipment was purchased in 2017 (7 Stetcos for statewide facilities &amp; 10 mason dumptrucks).</b></p> <p><b><u>BMP ID 6A, 6B – WINTER OPERATIONS - ONGOING</u></b> Starting in 2012, RIDOT began outfitting its winter fleet with new “closed loop” spreader controls that incorporated GPS and wireless technologies. This program required a significant investment by the Department but has resulted in financial savings and reduced our overall impact on the environment. With salt (sodium chloride) representing the most expensive part of snow and ice operations, we have been able to reduce our potential expenses. These closed-loop operation trucks significantly decrease the amount of roadway sand (and salt) applied to RIDOT roadways, thereby decreasing the amount of sediment needed to be swept and cleaned out of Catch Basins in the Spring, and ultimately decreasing the amount entering the environment.</p> <p>Starting in 2013, RIDOT began using salt brine for anti-icing and pre-wetting applications. We currently have one brine production unit at our Midstate Facility in East Greenwich which can produce close to 5,000 gallons per hour with salt brine storage available at most of our storage facilities. In order to expand this initiative, which is a much improved method of anti-icing versus using solid materials, we will be working to expand our production abilities in the coming years and will continue to have a need for assistance with application and perhaps hauling between storage sites.</p> <p>For the 2014 season, the Department had 100% of the heavy duty fleet outfitted with this equipment. For the 2015 season, 13 new closed loop winter operation trucks were purchased to replace older, less efficient trucks. RIDOT anticipates full fleet replacement by 2020. In 2013/2014, RIDOT introduced a “Green Incentive” for vendors which has increased the vendor use of closed loop systems and calibration. <b>It continues to be offered in 2017/18.</b></p> <p>For the 2016 season, RIDOT received 16 new closed loop winter operation trucks. Currently, RIDOT has 103 winter operation trucks, all with closed loop systems. RIDOT also advertised for 15 additional trucks that will arrive for the 2018 season, which will replace older trucks.</p> <p>RIDOT added a 20,000 ton strategic salt reserve stockpile to its winter operations plan for the first time prior to the 2016 season. It’s an additional covered stockpile that will be saved for situations when the salt demands are high (severe winters) and deliveries get delayed.</p> <p><b>In 2017, RIDOT ordered 15 new closed loop winter operation trucks. RIDOT anticipates advertising for 17 additional trucks that will arrive for the 2018/2019 season, which will replace older trucks.</b></p>	

**POLLUTION PREVENTION AND GOOD HOUSEKEEPING IN MUNICIPAL OPERATIONS cont'd**

**2016 SALT BARN STATUS:**

Of the 21 Strategic Salt Piles throughout the state, 17 are under permanent cover; 4 remain under temporary cover.

- Portsmouth – new Maintenance facility on Boyd’s Lane was constructed in 2016/2017. Salt storage facility is anticipated to be built 2018.
- Pawtucket - new paved stockpile area was constructed in 2010 near Exit 30 (I-95 South). RIDOT is still in negotiations with the City of Pawtucket to construct a new salt storage (shared use) at their existing DPW facility off of Armistice Blvd.; on hold due to funding, may be constructed in 2020.
- East Providence - Warren Ave: anticipated to be built 2019.
- Newport – Route 138 off-ramp: Long term plan is to construct a shared-use facility at the Newport DPW site off of Adm. Kalbfus. Highway. Projected to be likely a candidate for 2021.

Of note is that the new environmental regulations which took effect in 2010 have increased overall construction costs by about 25% thus reducing our ability to construct 2 new facilities per year, we now can only afford to build 2 facilities over 3 years based on current funding appropriations. The new environmental regulations require the entire storage and loading process to occur under the same roof, within the structure, which forced us to expand the square footage of the facilities in order to continue to maintain adequate salt quantities to maintain safe and operable highways.

**RESPONSIBLE PARTIES** - RIDOT Maintenance is the primary RIDOT entity responsible for the implementation of this program.

**EFFECTIVENESS** - RIDOT considers this measure effective.

**YEAR 15 (2018) EXPECTED ACTIONS** - RIDOT Maintenance will continue to upgrade equipment & salt barns as funding allows. In 2018, RIDOT will also re-examine the “Green Incentive” for vendors to make it more feasible for vendors to obtain closed-loop equipment incentives. Currently, the incentive is not deemed effective.

**SECTION II.A - Structural BMPs (Part IV.B.6.b.1.i)**

BMP ID:	Location:	Name of BMP Owner/Operator:	Description of BMP:	Frequency of Inspection:
<b>Reporting of this effort is part of the Consent Decree Compliance report.</b>				

**SECTION II.B - Discharges Causing Scouring or Excessive Sedimentation (Part IV.B.6.b.1.v)**

Outfall ID:	Location:	Description of Problem:	Description of Remediation Taken, include dates:	Receiving Water Body Name/Description:
<b>Reporting of this effort is part of the Consent Decree Compliance report.</b>				

**SECTION II.C - Note any planned municipal construction projects/opportunities to incorporate water quality BMPs, low impact development, or activities to promote infiltration and recharge (Part IV.G.2.j).**

<b>Reporting of this effort is part of the Consent Decree Compliance report.</b>				
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**SECTION II.D - Please include a summary of results of any other information that has been collected and analyzed. This includes any type of data (Part IV.G.2.e).**

<b>Reporting of this effort is part of the Consent Decree Compliance report.</b>				
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## TOTAL MAXIMUM DAILY LOAD (TMDL) or other Water Quality Determination REQUIREMENTS

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SECTION I. If you have been notified that discharges from your MS4 require non-structural or structural stormwater controls based on an approved TMDL or other water quality determination, please provide an assessment of the progress towards meeting the requirements for the control of stormwater identified in the approved TMDL (Part IV.G.2.d). Please indicate rationale for the activities chosen to address the pollutant of concern.

Reporting of this effort is part of the Consent Decree Compliance report.



## SPECIAL RESOURCE PROTECTION WATERS (SRPWs)

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SECTION I. In accordance with Rule 31(a)(5)(i)G of the *Regulations for the Rhode Island Pollutant Discharge Elimination System (RIPDES Regs)*, on or after March 10, 2008, any discharge from a small municipal separate storm sewer system to any Special Resource Protection Waters (SRPWs) or impaired water bodies within its jurisdiction must obtain permits if a waiver has not been granted in accordance to Rule 31(g)(5)(iii). A list of SRPWs can be found in Appendix D of the *RIDEM Water Quality Regulations* at this link:

<http://www.dem.ri.gov/pubs/regs/regs/water/h20q09a.pdf>

The 2008 303(d) Impaired Waters list can be found in Appendix G of the *2008 Integrated Water Quality Monitoring and Assessment Report* at this link: <http://www.dem.ri.gov/programs/benviron/water/quality/pdf/iwqmon08.pdf>

If you have discharges from your MS4 (regardless of its location) to any of the listed SRPWs or impaired waters (including impaired waters when a TMDL has not been approved), please provide an assessment of the progress towards expanding the MS4 Phase II Stormwater Program to include the discharges to the aforementioned waters and adapting the Six Minimum Control Measures to include the control of stormwater in these areas. Please indicate a rationale for the activities chosen to protect these waters. Please note that all of the measurable goals and BMPs required by the 2003 MS4 General Permit may not be applicable to these discharges.

Reporting of this effort is part of the Consent Decree Compliance report.



# RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

Office of Water Resources



## INSTRUCTIONS FOR THE RI POLLUTANT DISCHARGE ELIMINATION SYSTEM (RIPDES)

### SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS AND INDUSTRIAL ACTIVITY AT ELIGIBLE FACILITIES OPERATED BY REGULATED SMALL MS4s ANNUAL REPORT FORM

#### **WHO MUST SUBMIT AN ANNUAL REPORT:**

Owners/Operators of regulated small municipal separate storm sewer systems (MS4s) and industrial activities authorized to discharge stormwater under the Rhode Island Pollutant Discharge Elimination System (RIPDES) Stormwater General Permit for Small Municipal Separate Storm Sewer Systems and Industrial Activity at Eligible Facilities Operated by Regulated Small MS4s (hereafter referred to as "the General Permit"), must submit an Annual Report, outlined in Part IV.G of the permit. The Report must be submitted each year after permit issuance by March 10<sup>th</sup> to track progress of compliance. If you have questions regarding this Annual Report Form contact Margarita Chatterton of the Rhode Island Department of Environmental Management (RIDEM), Office of Water Resources, Permitting Section at (401) 222-4700 ext. 7605.

The Annual Report must be submitted to:

RIDEM  
Office of Water Resources  
RIPDES Program  
Permitting Section  
235 Promenade Street  
Providence, RI 02908  
ATTN: Jennifer Stout

#### **INSTRUCTIONS FOR COMPLETION:**

##### **GENERAL INFORMATION PAGE:**

###### *"RIPDES Permit #"*

Include your permit ID # to ensure proper tracking.

###### *"Operator of MS4"*

Give the legal name of the person, firm, public (municipal) organization, or any other entity that is responsible for day-to-day operations of the MS4 described in this application (RIPDES Rules 3 & 12). Enter the complete address and telephone number of the operator. Circle the appropriate choice to indicate the legal status of the operator of the MS4.

###### *"Owner of MS4"*

If the owner is the same as the operator do not complete this section. Give the legal name of the person, firm, public (municipal) organization, or any other entity that owns the MS4 described in this application (RIPDES

Rules 3 & 12). Do not use a colloquial name. Enter the complete address and telephone number of the owner.

###### *"Certification"*

State and federal statutes provide for severe penalties for submitting false information on this application form. State and federal regulations require this application to be signed as follows (RIPDES Rule 12);

*For a corporation:* by a responsible corporate officer, which means: (i) president, secretary, treasurer, or vice president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision making functions, or (ii) the manager of one or more manufacturing, production, or operating facilities, provided the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information or permit application requirements; and where authority to sign documentation has been assigned or delegated to the manager in accordance with corporate procedures;

*For a partnership or sole proprietorship:* by a general partner or the proprietor;

*For a Municipality, State, Federal or other public site:* by either a principal executive officer or ranking elected official.

##### **SECTION I- OVERALL EVALUATION OF BMPS AND MEASURABLE GOALS:**

One or more pages, front and back, are provided to report on the status of measurable goals which have been developed to aid in the implementation of strategies, procedures, and programs used to achieve each of the six minimum control measures in Part IV.B of the General Permit. This section provides narrative space for a descriptive explanation and evaluation of the actions taken to satisfy each of the minimum control measures for the 2017 calendar year. Please type or print. If additional space is needed, modify as necessary. Please submit attachments to the appropriate minimum control measure following the format provided.



A Permit ID # has been provided, which refers to the part of the permit where you can find a listing or description of the required measurable goal.

Please provide a general summary of actions taken (implementation of BMPs, development of procedures, events, etc.) to meet the measurable goals of the minimum measure. **Be sure to identify parties responsible for achieving each measurable goal** and reference any reliance on another entity for achieving any measurable goal. **Mark with an asterisk (\*) if this person/entity is different from last year.**

Describe whether each measurable goal was completed within the time proposed in the General Permit or your Stormwater Management Program Plan (SWMPP). Why or why not? Provide a progress report and discussion of activities that will be carried out during the next reporting cycle to satisfy the requirements of the minimum measures. If applicable, assess the appropriateness of the actions taken to meet the requirements of the minimum measure. In determining appropriateness, you may want to consider at a minimum the local population targeted, pollution sources addressed, receiving water concerns, integration with local management procedures, and available resources and violations or environmental impacts eliminated or minimized.

Also, discuss the effectiveness of the implementation of BMPs to meet the requirements of the minimum measure and the overall effectiveness of the minimum measure. Describe your progress towards achieving the overall goal of reducing the discharge of pollutants. Please include assessment parameters/indicators used to measure the success of the minimum measure. Also include a discussion of any proposed changes to BMPs or measurable goals.

After evaluation, it may be necessary to make changes or modifications to your Implementation Schedule if the time frame, appropriateness or effectiveness cannot be assured. If so, please include descriptions of changes or modifications, and detailed justification in the appropriate sections.

## **SECTION II- ADDITIONAL ANNUAL REPORT REQUIREMENTS**

Section II refers to additional reporting requirements that the General Permit requires to be submitted to the Department as part of the Annual Report. Section II requirements apply to Minimum Control Measures 2 through 6.

**Minimum Control Measure #2: Section II:**  
Specify the date of and how the annual report was public noticed. If a public meeting was needed, provide the date and place. Include a summary of public comments received

in the public comment period of the draft annual report and planned responses or changes to the program (new or revised BMP's and measurable goals, partnerships, etc.). Be sure to attach a copy of your public notice (Parts IV.G.2.h and IV.G.2.i) to the Annual Report.

**Minimum Control Measure #3: Section II.A:**  
Provide the number of illicit discharges identified in 2017, number of illicit discharges tracked in 2017, number of illicit discharges eliminated in 2017, complaints received, complaints investigated, violations issued and resolved with a summary of enforcement actions, number of unresolved violations that have been referred to RIDEM, the total number of illicit discharges identified to date, and the total number of illicit discharges remaining unresolved at the end of 2017. Include a short narrative describing the extent to which your system has been mapped (Part IV.G.2.m), and the total number of outfalls identified to date.

**Minimum Control Measure #3: Section II.B:**  
List identified MS4 interconnections, including location, date found, operator of the physically interconnected MS4, and originating source of newly identified physical interconnections with other small MS4s. Also note any planned or coordinated activities with the physically interconnected MS4 (Part IV.G.2.k and IV.G.2.l).

**Minimum Control Measures #4 & 5: Section II.A:**  
Identify the number of construction and post-construction plan and SWPPP/SESC Plan reviews completed during YEAR 15 (2018) and any additional information. This includes, but is not limited to a summary of the reviews, responsible parties, and types of projects reviewed.

**Minimum Control Measure #4: Section II.B:**  
Construction inspection information for erosion and sediment control should be submitted annually as stated in Part IV.G.2.n. Provide a summary of the number of site inspections conducted, inspections that have resulted in enforcement actions, violations that have been resolved and of those unresolved, referred to RIDEM.

**Minimum Control Measure #5: Section II.B:**  
Post-construction inspection information for proper installation of post-construction structural BMPs should be submitted annually as stated in Part IV.G.2.o. This should provide a summary of the number of site inspections conducted, inspections that have resulted in enforcement actions, violations that have been resolved and of those unresolved, referred to RIDEM.

**Minimum Control Measure #5: Section II.C:**  
Inspection information for proper operation and maintenance of post-construction structural BMPs should be submitted annually as stated in Part IV.G.2.p. This should provide a summary of the number of site inspections conducted, inspections that have resulted in

enforcement actions, violations that have been resolved and of those unresolved, referred to RIDEM.

Also include a discussion of any proposed changes to BMPs or measurable goals.

**Minimum Control Measure #6: Section II.A:**

As prescribed in Part IV.B.6.b.1.i of the General Permit, the MS4 operator must identify and list the specific location and description of all structural BMPs in the SWMPP at the time of application and update the information in the annual report.

**Minimum Control Measure #6: Section II.B:**

Part IV.B.6.b.1.v of the General Permit states to identify and report annually, as part of the annual report, known discharges causing scouring at outfall pipes or outfalls with excessive sedimentation. Include Outfall ID #, location, description of the problem, any remediation taken, and the ultimate receiving water body.

**Minimum Control Measure #6: Section II.C:**

As noted in Part IV.G.2.j of the General Permit, specify any planned municipal construction projects or opportunities to include water quality BMPs, low impact development, or seek to promote infiltration and recharge.

**Minimum Control Measure #6: Section II.D:**

Please include a summary of results of any other information that has been collected and analyzed. This includes any type of data, including, but not limited to, dry weather survey data (Part IV.G.2.e).

**TOTAL MAXIMUM DAILY LOAD (TMDL) or other Water Quality Determination REQUIREMENTS**

**Section I:**

Complete this section only if your MS4 is subject to an approved TMDL. TMDL requirements may require the implementation of the six minimum control measures to address the pollutants of concern, and/or additional structural stormwater controls or measures that are necessary to meet the provisions of the approved TMDL. Be sure to identify the approved TMDL and assess the progress towards meeting the requirements for the control of stormwater (Part IV.G.2.d).

Provide a progress report on the present status and discussion of activities that have been accomplished or will be carried out during the next reporting cycle to satisfy the requirements of the TMDL. If applicable, assess the appropriateness of the BMPs selected under each of the six minimum control measures to meet the requirements of the TMDL. In determining appropriateness, you may want to consider violations or environmental impacts eliminated or minimized.

Please include assessment parameters/indicators that will be used to measure the success of the selected BMPs.

**SPECIAL RESOURCE PROTECTION WATERS (SRPWs)**

**Section I:**

Complete this section only if your MS4, located outside Urbanized Areas or Densely Populated Areas, discharges to:

a SRPW as listed in Appendix D of the *RIDEM Water Quality Regulations* at this link:

<http://www.dem.ri.gov/pubs/regs/regs/water/h20q09a.pdf>

or

an impaired water body including water bodies with no approved TMDL as listed in Appendix G of the *2008 Integrated Water Quality Monitoring and Assessment Report* at this link:

<http://www.dem.ri.gov/programs/benviron/water/quality/pdf/iwqmon08.pdf>.

In accordance with Rule 31(a)(5)(i)G in the *Regulations for the Rhode Island Pollutant Discharge Elimination System* (RIPDES Regulations), MS4s were required to incorporate any discharges to these water bodies into their MS4 Program on or after March 10, 2008 unless a waiver has been granted in accordance with Rule 31(g)(5)(iii).

Provide a progress report on the present status and discussion of activities that have been accomplished or will be carried out during the next reporting cycle to incorporate these areas into the MS4's Phase II Stormwater Program.