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## RIPDES SMALL MS4 ANNUAL REPORT

### GENERAL INFORMATION PAGE

RIPDES PERMIT #RIR040 \_\_\_\_\_

REPORTING PERIOD:  **YEAR 9**  
Jan 2012-Dec 2012

**OPERATOR OF MS4**

Name: TOWN OF NORTH KINGSTOWN			
Mailing Address: 2050 Davisville Road			
City: North Kingstown	State: RI	Zip: 02852	Phone: ( 401 )268-1500 ext: 600
Contact Person: Phil Bergeron, P.E.		Title: Director Of Public Works	
		Email: <a href="mailto:pbergeron@northkingstown.org">pbergeron@northkingstown.org</a>	
Legal status (circle one): PRI - Private      PUB - <b>Public</b> BPP - Public/Private      STA - State      FED - Federal			
Other (please specify):			

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

Name: Same As Above			
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 Phil Bergeron

Print Title Director Of Public Works

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



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

**(Note: Identify parties responsible for achieving the measurable goals and reference any reliance on another entity for achieving measurable goals.)**

IV.B.1.b.1	Provide a General Summary of activities implemented to educate your community on how to reduce storm water pollution. For TMDL affected areas, with storm water 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.
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The Water, Public Works and Planning Departments are three divisions within the Town responsible for public education.

A quarterly newsletter, The Puddle, sent to 95% of the town's residents, is issued by the Water Dept. It provides information regarding seasonal water restrictions, Q&A, billing rates, as well as various information for maintaining water quality. –SEE APPENDIX A

The Department of Public Works continues to provide information to residents via the town's website. There are also numerous printed brochures available at the Public Works building, Town Hall as well as the Municipal Transfer Station. –SEE APPENDIX A

In addition to the printed material available, the Transfer Station allows residents to bring in their leaves and grass clippings free of charge in an effort to reduce stormwater pollution via the chemicals excreted from fertilizers used in many of today's lawn care treatments.

The Transfer Station also has many outlets for residents to dispose of their refuse which include: propane tanks, metal, tires, mattress and box-spring, and electronic waste. In July 2012 the Town of North Kingstown adopted the stream-line recycling program, which allows residents to place all their recyclable materials in a single container rather than separating them. This also increases the number of eligible articles for recycling. The town feels this greatly reduces the impact on the landfill and environment.

IV.B.1.b.2	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 storm water program. Describe partnerships with governmental and non-governmental agencies used to involve your community.
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The Water Department continues to partner with the University of Rhode Island Cooperative Extension/Healthy Landscapes to create and distribute educational information on native vegetation, erosion and sediment control.

In an ongoing effort to educate our community on ways to return stormwater to the ground naturally, our Town Engineer and Engineering Inspectors attend training seminars and are in the process of developing a system which utilizes stormwater for the irrigation of plants, which we believe to be productive, as well as environmentally sound.

The Engineering Office is assisting the Planning Department with plans to install rain gardens and BMPs for storm water quality mitigation for Sawmill Pond. The URI Cooperative Extension is also a partner in this project.

Additional Measurable Goals and Activities: Please indicate if the following training sessions were attended and list the name(s) and municipal position of all staff who attended the training.

Attendance at the following trainings if applicable:

A New Approach to Financing Stormwater Management: Stormwater Utility Districts. Workshop Part 3: Rhode Island Moves Forward (January 26, 2012)

Attending name of staff and title: Kim Wiegand, Town Engineer

Attending name of staff and title: \_\_\_\_\_

RI Residential Rain Garden Training (April 3, 2012)

Attending name of staff and title: \_\_\_\_\_

Attending name of staff and title: \_\_\_\_\_

Small Scale Bioretention Installation Training (April 11-12, 2012)

Attending name of staff and title: \_\_\_\_\_

Attending name of staff and title: \_\_\_\_\_

Results of a Pilot Stormdrain Mapping Project in Johnston and Smithfield, RI ... and how your municipality can participate (November 20, 2012)

Attending name of staff and title: \_\_\_\_\_

Attending name of staff and title: \_\_\_\_\_

Rhode Island Regulatory Setbacks and Buffers (November 29, 2012)

Attending name of staff and title: \_\_\_\_\_

Attending name of staff and title: \_\_\_\_\_

**Other Trainings:**

DEM provided workshop UIC-5/8/2012:

Attending name of staff and title: Kim Wiegand, Town Engineer



**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.)**

IV.B.2.b.2.ii	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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The Department of Public Works is constantly seeking volunteers in an effort to maintain the cleanliness of our town roads, parks and beach areas. Many community service hours have been logged to pick up littered areas throughout our town and our department is responsible for the collection and disposal of the recyclables and/or debris.

The annual Environmental Fair and SPIRIT Day educate families on the importance of stormwater management, water conservation and recycling activities; reduce, reuse, recycle.

On a monthly basis, the Groundwater Committee holds a public meeting at the Town Hall, for open discussion regarding current project updates, and future plans which includes the construction of rain gardens in the school district for stormwater control measures.

In addition, the Stormwater Manager met personally with 13 or the 71 Homeowner's Associations to discuss maintenance of outfalls and retention areas, as well as identify the responsibilities of the parties involved (i.e. Landscapers, Property Managers, etc).

The Engineering Office partnered with Save the Bay to mark storm drains in specifically targeted areas. The storm water manager keeps track of drain markers on a Town-wide map.

**Additional Measurable Goals and Activities**

The Town website continues to provide informational brochures to residents for public education. If residents have questions regarding some of this information or would like to provide feedback, there is a link available to email our Public Works Director or the Town Engineer. In November 2012 an upgrade was made to our Powerpoint presentation, Our goal is to provide informational seminars at our local town library to help residents understand the importance of this program. Goal: Summer 2013

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

Date of Public Notice: February 11, 2013	How public was notified: by notices posted in the Town Hall, library and at Public Works. It was also listed on the Town's website.
Was public meeting held?      YES <b>NO</b>	
Date:	Where:
Summary of public comments received:	
Planned responses or changes to the program:	



**MINIMUM CONTROL MEASURE #3:  
ILLICIT DISCHARGE DETECTION AND ELIMINATION (Part IV.B.3 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 implemented (when reporting tracked and eliminated illicit discharges, please explain the rationale for targeting the illicit discharge) to comply with on-going requirements, and illicit discharge public education activities, audiences and pollutants targeted. 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.)</b></p>	
IV.B.3.b.1:	<p>Indicate if the outfall map was not completed, reasons why, proposed schedule for completion of requirement and person(s)/ Department responsible for completion. (The Department recommends electronic submission of updated EXCEL Tables if this information has been amended.) <b>Date of Completion: Up-to-Date Excel table included with this submission</b></p>
<p>All identified outfalls are mapped. The 2012 Drainage System Map is included electronically with this submission. The Department of Public Works is responsible for the drainage system in town, and said mapping is continuously updated. –APPENDIX B</p>	
IV.B.3.b.2	<p>Indicate if your municipality chose to implement the tagging of outfalls activity under the IDDE minimum measure, activities and actions undertaken under the 2012 calendar year.</p>
<p>The Town of North Kingstown chose not to tag outfalls; the drainage system is mapped using the RI State Coordinate System.</p>	
IV.B.3.b.3	<p>Provide a summary of the implementation of recording of system additional elements (catch basins, manholes, and/or pipes). Indicate if the activity was implemented as a result of the tracing of illicit discharges, new MS4 construction projects, and inspection of catch basins required under the IDDE and Pollution Prevention and Good Housekeeping Minimum Measures, and/or as a result of TMDL related requirements and/or investigations. Assess effectiveness of the program minimizing water quality impacts.</p>
<p>The drainage system has been continuously updated. Any new developments found are located on the map. The ongoing work has proven to be effective in removing pollutants and in the identification of non-complying connections. The town of North Kingstown found no new illicit connections in 2012. –SEE APPENDIX C</p> <p>Under Good Housekeeping measure, the Stormwater Manager inspected catch basins, Detention Ponds, Retention Ponds and Manholes for 8 of our 13 districts. Upon a complete assessment any structures requiring maintenance (i.e. cleaning, masonry, etc) was reported to the Highway Department for repair and/or maintenance and illicit connections identified are investigated.</p>	
IV.B.3.b.4	<p>Indicate if the IDDE 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. <b>Date of Adoption: February 12, 2006</b> If the Ordinance was amended in 2012, please indicate why changes were necessary.</p>
<p>The ordinance was not amended in 2012</p>	
IV.B.3.b.5.ii, iii, iv, & v	<p>Provide a summary of the implementation of procedures for receipt and consideration of complaints, tracing the source of an illicit discharge, removing the source of the illicit discharge and program evaluation and assessment as a result of removing sources of illicit discharges. Identify person(s) / Department and/or parties responsible for the implementation of this requirement.</p>

**ILLCIT DISCHARGE DETECTION AND ELIMINATION cont'd**

The Department of Public Works and Code Enforcement Office are responsible for the implementation of the requirements of and compliance with the Town's Illicit Discharge Detection and Elimination Ordinance. When a complaint is received or an unidentified connection is found, the connection is traced and possible source identified. DPW staff makes contact with the property owner to determine whether or not the discharge is from an allowable non-stormwater discharge and documents their findings. If face to face contact is not possible, a letter is sent to the owner requesting a response within 5 days to meet with us so we can determine the type of discharge. If discharge is determined to be prohibited, the owner is asked to remove it. If the owner elects to do nothing, the town will move to eliminate it-either by removing or capping, whichever is more feasible. If owner agrees to remove it, the information is forwarded to a Code Enforcement Officer for monitoring

IV.B.3.b.5.vi	Provide summary of implementation of catch basin and manhole inspections for illicit connections and non-storm water discharges. If the required measurable goal of inspecting all catch basins and manholes for this purpose was not accomplished, please indicate reasons why, the proposed schedule of completion and identify person(s) / Department and/or parties responsible for the implementation of this requirement. Evaluate effectiveness of the implementation of this requirement. The operator must keep records of all inspections and corrective actions required and completed.
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As stated previously, there were no new illicit connections identified in 2012. In 2012 we did rectify a situation from the previous year; see below:

Red Maple Terrace: a finding of high fecal coliforms was found in a catch basin. The basin was in front of residence that was supposed to be connected to a sanitary sewer that is pumped to a community OWTS. TVing the line found no such connection. The homeowner had the line excavated and connected.

IV.B.3.b.5.vii	If dry weather surveys including field screening for non-storm water flows and field tests of selected parameters and bacteria were not completed, indicate reasons why, proposed schedule for the completion of this measurable goal and person(s) / Department and/or parties for the completion of this requirement. Evaluate effectiveness of the implementation of this requirement. <b>The results of the dry weather survey investigations must be submitted to RIDEM electronically, if not already submitted or if revised since 2009, in the RIDEM-provided EXCEL Tables and should include visual observations for all outfalls during both the high and low water table timeframes, as well as sample results for those outfalls with flow. The EXCEL Tables must include a report of all outfalls and indicate the presence or absence of dry weather discharges.</b> <b>Date of Completion: Previous submitted in 2012 electronically.</b>
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Both the dry and wet weather surveys have been completed.

IV.B.3.b.7	Provide a description of efforts and actions taken as a result of for coordinating with other physically interconnected MS4s, including State and federal owned or operated MS4s, when illicit discharges were detected or reported. Identify person(s) / Department and/or parties responsible for the implementation of this requirement. Evaluate effectiveness of the implementation of this requirement.
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No Illicit discharges have been detected or reported involving other interconnected MS4s. The Department of Public Works has agreed to exchange drainage maps with RIDOT for reference purposes.

IV.B.3.b.8	Provide a description of efforts and actions taken for the referral to RIDEM of non-storm water discharges not authorized in accordance to Part I.B.3 of this permit or another appropriate RIPDES permit, which the operator has deemed appropriate to continue discharging to the MS4, for consideration of an appropriate permit. Identify person(s) / Department and/or parties responsible for the implementation of this requirement. Evaluate effectiveness of the implementation of this requirement.
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If there is a stormwater discharge that does not adhere to town and state stipulations and permits, or requires the attention of RIDEM, the Engineering Office and the Code Enforcement Office have the authority to report it to RIDEM. In 2012 there were no unauthorized non-stormwater discharges which would have required referral or permitting. We have found this to be effective.

**ILLICIT DISCHARGE DETECTION AND ELIMINATION cont'd**

IV.B.3.b.9	Provide a description of efforts and actions taken to inform public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste, as well as allowable non-storm water discharges identified as significant contributors of pollutants. Include a description on how this activity was coordinated with the public education minimum measure and the pollution prevention/good housekeeping minimum measure programs. Identify person(s) / Department and/or parties responsible for the implementation of this requirement. Evaluate effectiveness of the implementation of this requirement.
Town employees of the Department of Public Works and the Water Department are instructed through the use of training workshops on the responsibility of this requirement, including the discarding of refuse in an inappropriate fashion, and those allowable non-stormwater discharges. We encourage town residents and businesses to make selections of fertilizer and pesticides that are more welcoming to our atmosphere and to aid in the prevention of contamination to groundwater through flyers and newsletters. This has been increasingly effective as we get staff more involved.	
Additional Measurable Goals and Activities	

**SECTION II.A Other Reporting Requirements - Illicit Discharge Investigation and System Mapping (Part IV.G.2.m)**

# of Illicit Discharges Identified in 2012: 0	# of Illicit Discharges Tracked in 2012: 0
# of Illicit Discharges Eliminated in 2012:0	# of Complaints Received: 0
# of Complaints Investigated: 0	# of Violations Issued: 0
# of Violations Resolved: 0	# of Unresolved Violations Referred to RIDEM: 0
Total # of Illicit Discharges Identified to Date (since 2003):6	Total # of Illicit Discharges remaining unresolved at the end of 2012: 0
Summary of Enforcement Actions:	
Extent to which the MS4 system has been mapped:	
Mapped to current/available information to date.	
Total # of Outfalls Identified and Mapped to date:	

**SECTION II.B Interconnections (Parts IV.G.2.k and IV.G.2.l)**

Interconnection:	Date Found:	Location:	Name of Connectee:	Originating Source:	Planned and Coordinated Efforts and Activities with Connectee:
NONE FOUND					



**MINIMUM CONTROL MEASURE #4:  
CONSTRUCTION SITE STORM WATER 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.)**

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: January 24, 2011</b></p> <p>If the Ordinance was amended in 2012, please indicate why changes were necessary. <i>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.</i></p>
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There have been no changes to date

IV.B.4.b.6	Describe actions taken as a result of receipt and consideration of information submitted by the public.
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There was a minor addendum before the ordinance was adopted as a result of input from the Chamber of Commerce.

IV.B.4.b.8	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 Storm Water 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.
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The Engineering Office is responsible for overseeing the site work of commercial land developments. Construction bonds are a requirement for all developments to ensure that erosion and sediment controls are in place and are maintained during the construction process. The financial surety ensures compliance of storm water controls.

If there is a violation of the erosion and sediment control plan, the developer or contractor is notified of the needed repairs. If said repairs are not completed within 48 hours, it is then transferred by the Engineering Office to the Code Enforcement Office and Planning Department. A stop work order is issued until completion of repairs. Any development where the builder still refuses to conform with state requirements, would be referred to the RIDEM by the Code Enforcement Official.

Additional Measurable Goals and Activities

**CONSTRUCTION SITE STORM WATER RUNOFF CONTROL cont'd**

**SECTION II. A - Plan and SWPPP Reviews during Year 9 (2012), 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 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 Reviews completed:38 sites
Summary of Reviews and Findings, include an evaluation of the effectiveness of the program. Identify person(s) /Department and/or parties responsible for the implementation of this requirement. The evaluation of residential and commercial projects requires approval from the Town Engineer. The Engineer and engineering staff inspect sites weekly or more, as well as prior to and after a rain occurrence All major construction projects have a pre construction meeting where there is a conversation regarding sedimentation control and erosion. The developer is also required to document with as-built plans that construction is in substantial compliance with the design plans
The following were under construction and inspected for SWPPPs during 2012: New house construction 36 houses Other projects: Post Road sewers Calf Pasture Point Bicycle Path

**SECTION II.B - Erosion and Sediment Control Inspections during Year 9 (2012), 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 Site Inspections: more than 45	# of Complaints Received:1
# of Violations Issued:0	# of Unresolved Violations Referred to RIDEM:0
Summary of Enforcement Actions, include an evaluation of the effectiveness of the program. Identify person(s) /Department and/or parties responsible for the implementation of this requirement.  The responsibility for inspecting construction sites lies with the Engineering Office. In the event that the work does not conform to the approved plans for erosion and sediment control, the Town Engineer and Code Enforcement can hold the release of a building permit and/or Certificate of Occupancy.	
New subdivisions/ condos Wickford Cove condos Barbers Heights Kingstown Crossing North Ridge North Cove Landing Hamilton Farms	
Land developments Belleville House	



**MINIMUM CONTROL MEASURE #5:  
POST CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND  
REVELOPMENT  
(Part IV.B.5 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, etc. Please indicate if any projects have incorporated the use of Low Impact Development techniques. 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.)**

IV.B.5.b.5 Describe activities and actions taken to coordinate with existing State programs requiring post-construction storm water management.

Post-construction stormwater controls for subdivisions and residential developments are inspected by the Engineering Office, through the Stormwater Manager. The Engineer also requires plans for the operation and maintenance of storm water management systems to be submitted to the Town. On a yearly basis, the Engineering Office provides home owners associations with a "Maintenance Checklist and Inspection form" to be filled out and returned to this office. See SEE APPENDIX D

IV.B.5.b.6 Describe actions taken for the referral to RIDEM of new discharges of storm water associated with industrial activity as defined in RIPDES Rule 31(b)(15) (the operator must implement procedures to identify new activities that require permitting, notify RIDEM, and refer facilities with new storm water discharges associated with industrial activity to ensure that facilities will obtain the proper permits).

All necessary state permits are required to be obtained, prior to release of a building permit. The development must be approved by the Planning Department, Public Works Department and other departments as well.

The Engineering office did not receive any applications for developments with new stormwater discharges associated with industrial activity, nor detected any existing facilities that need RIPDES permitting.

IV.B.5.b.9 Indicate if the Post-Construction Runoff from New Development and Redevelopment Ordinance was **not** 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.

**Date of Adoption:**

If the Ordinance was amended in 2012, please indicate why changes were necessary. **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.**

A Sediment & Erosion Ordinance was adopted in 2010. The subdivision regulations require compliance with the new Stormwater Design and Installation Manual by reference to RIDEM approval and regulations. No amendments have been made.

IV.B.5.b.12 Describe activities and actions taken to identify existing storm water structural BMPs discharging to the MS4 with a goal of ensuring long term O&M of the BMPs.

Existing structural BMPs continues to be detected and classified throughout the town. The tracking and collating long term O&M for BMPs for developments is done by the Engineering Office and Stormwater Manager. The maintenance of any structural BMP located on non-town property is the obligation of the Homeowner's Assoc. Each Homeowner's Association Is required to have a maintenance agreement recorded with the Town.

**POST CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT**  
*cont'd*

**Additional Measurable Goals and Activities**

The Planning Department, at the instigation of the Engineering Office gives all developers the RIDEM Stormwater Maintenance template to use and record with the deeds for new developments.

**SECTION II.A. - Plan and SWPPP Reviews during Year 9 (2012), Part IV.B.5.b.4:** Review 100% of post-construction BMPs for the control of storm water runoff from new development and redevelopment projects that result in discharges to the MS4 which incorporates consideration of potential water quality impacts (the program requires reviewing 100% of plans for development projects greater than 1 acre, not reviewed by other State programs).

# of Post-Construction Reviews completed: 7 properties and projects, including sites <1 acre

Summary of Reviews and Finding, include an evaluation of the effectiveness of the program. Identify person(s) /Department and/or parties responsible for the implementation of this requirement.

The program was successful since the developer or owner would not get their bond back, permit released and/ or final approvals without the post construction BMPs passing inspection.

**SECTION II.B. - Post Construction Inspections during Year 9 (2012), Parts IV.G.2.o and IV.B.5.b.10 - Proper Installation of Structural BMPs:** Inspection of BMPs, to ensure these are constructed in accordance with the approved plans (the program must include inspection of 100% of all development greater than one acre within the regulated areas that result in discharges to the MS4 regardless of whom performs the review).

# of Site Inspections: more than 100

# of Complaints Received: 0

# of Violations Issued: 0

# of Unresolved Violations Referred to RIDEM:0

Summary of Enforcement Actions:

None necessary.

**SECTION II.C. - Post Construction Inspections during Year 9 (2012), Parts IV.G.2.p and IV.B.5.b.11 - Proper Operation and Maintenance of Structural BMPs:** Describe activities and actions taken to track required Operations and Maintenance (O&M) actions for site inspections and enforcement of the O&M of structural BMPs. Tracking of required O&M actions for site inspections and enforcement of the O&M of structural BMPs.

# of Site Inspections: 40

# of Complaints Received: 0

# of Violations Issued: 0

# of Unresolved Violations Referred to RIDEM: 0

Summary of Activities and Enforcement Actions. Evaluate the effectiveness of the Program in minimizing water quality impacts. Identify person(s) /Department and/or parties responsible for the implementation of this requirement.

The Stormwater Manager inspected and/or contacted owners responsible for maintenance of BMPs. Letters were sent to homeowners associations.



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

**(Note: Identify parties responsible for achieving the measurable goals and reference any reliance on another entity for achieving measurable goals.)**

IV.B.6.b.1.i	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.
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A record of all structural BMPs town-wide is retained by the Department of Public Works. The drainage map is an inventory used for setting a maintenance schedule and to assess of areas shown to be problematic. The inventory and mapping has been instrumental in resolving drainage and sedimentation problems.

IV.B.6.b.1.ii	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.
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The Highway Division of the Department of Public Works annually cleans all catch basins and documents any issues or repair requirements. The Department also mows the detention ponds annually and inspects the outlet control structures in addition to the cleaning of water quality stone trenches in the coastal areas of town. Since their installation in 2009 the UIC units at the Town beach and the Vortechnic units on Main street have been inspected and cleaned semi-annually. These activities have been very effective in reducing the outflow of pollutants into receiving waters.

IV.B.6.b.1.iii	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.
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Total # of CBs within regulated area (including SRPW and TMDL areas): 1603

Total # of CBs inspected in 2012: 475

Total # of CBs cleaned in 2012: 651

The focus has been on basins which accumulate debris; these are cleaned in a more often. In 2009 the Town purchase a vac-truck to allow the cleaning of basins which could not be reached previously by the clam-shell bucket. This activity has been highly effective; there have been fewer blocked drains and sediment problems.

IV.B.6.b.1.iv	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.
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**POLLUTION PREVENTION AND GOOD HOUSEKEEPING IN MUNICIPAL OPERATIONS cont'd**

<p>The minimization of erosion on road shoulders and roadside ditches is performed through the use of stone lined channels, grassy swales and stone infiltration trenches. When needed, berms are also utilized to control erosion from driveways and roads. The stone infiltration trenches which allow recharge have been especially effective.</p>	
IV.B.6.b.1.v	<p>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>
<p>During an inspection, if an obstructed outfall was discovered, the brush and sand are cleared and removed. If a pipe is blocked, it is then flushed with a water jet, and the swales are dug out to eliminate the sediment. The channels are also cleared of debris. Discharge pipes with scouring are ripped and the channel armored, if necessary. The source of the sediment is noted and resolved, where possible. This is an effective practice.</p>	
IV.B.6.b.1.vi	<p>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.</p> <p>Total roadway miles within regulated area (including SRPW and TMDL areas): 159</p> <p>Total roadway miles that were swept in 2012:152</p>
<p>Weather permitting, all roads maintained by the town are swept by the Department of Public Works from March-July. The information is included with this submission—APPENDIX E</p>	
IV.B.6.b.1.vii	<p>Describe activities and actions taken for controls to reduce floatables and other pollutants from the MS4. Evaluate appropriateness and effectiveness of this requirement.</p>
<p>Earth day cleanups have proven to be successful in the reduction of floatables and other contaminants from the MS4. Litter along Town roads is collected by the Highway department or by community service members to prevent floatables getting into the system. If a call regarding litter or debris is received from a resident, then the DPW takes action to remove it. There is also an ordinance regarding pet waste.</p> <p>The Town coordinated again this past year with Save the Bay to have storm drains marked. Volunteers marked 18 drains in 7 districts using drainage maps from the Town, targeting areas identified for TMDLs.</p>	
IV.B.6.b.1.viii	<p>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.</p>
<p>The town adheres to RIGL 23-18.9 (Refuse Disposal Act) and the acceptable use of street sweepings. Sediment removed from catch basin/street sweepings is used as backfill for department projects involving work on drain pipes, culverts and other drainage structures.</p>	
IV.B.6.b.4 and IV.B.6.b.5	<p>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 Storm Water Pollution Prevention Plan, and any actions taken to amend the Plan must be kept for record-keeping purposes.</p>
<p>The Facilities Division of Public Works restricts the use of fertilizers and pesticides on town fields, parks, and other properties. Salt, sand and debris are removed from parking areas at the end of the winter season as quickly as possible. The basins at town facilities are examined quarterly and maintained as necessary.</p>	
IV.B.6.b.6	<p>Describe all employee training programs used to prevent and reduce storm water pollution from activities such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and storm water system maintenance for the past calendar year, including staff municipal participation in the URI NEMO storm water public education and outreach program and all in-house training conducted by municipality or other parties. Evaluate appropriateness and effectiveness of this requirement.</p>

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

<p>Our municipality is in the URI NEMO storm water public education and outreach program as well as the RI T2 program. Each year, employees attend the Public Works expo and the annual conference of the League of Towns and Cities to further gain knowledge and training. A portion of our training for employees to use in their line of work was information obtained at the <i>train the trainer</i> event on Stormwater system maintenance.</p>	
IV.B.6.b.7	<p>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>Each project is evaluated for adverse impacts on water quality by the Town Engineer. The Town has been effective at adding such practices to projects. One example is Calf Pasture Point bicycle path which has new water quality basins at the end of the path at the beach.</p>	
<p>Additional Measurable Goals and Activities</p>	

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

BMP ID:	Location:	Name of BMP Owner/Operator:	Description of BMP:
See attached spreadsheets	APPENDIX E		

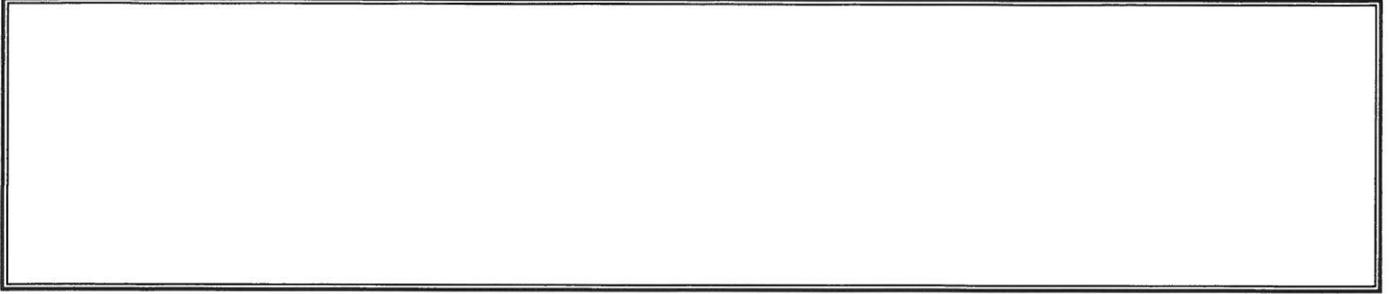
**SECTION II.B - Discharges Causing Scouring or Excessive Sedimentation (Part IV.B.6.b.1.v)**

Outfall ID:	Location:	Description of Problem:	Description of Remediation Taken, include dates:	Receiving Water Body Name/Description:

**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).**

<p>The Town proposes to develop plans to install dry wells and stone infiltration trenches along areas by the coast. In 2013, the Town will complete construction of water quality BMPs at the former Davisville Elementary School and nearby Lake Drive. There are also 12 residents who have volunteered to construct and maintain rain gardens on their properties. This is a cooperative effort between the Planning Department, Public Works and the URI Cooperative Extension.</p>
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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).**





## 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 storm water 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 storm water identified in the approved TMDL (Part IV.G.2.d). Please indicate rationale for the activities chosen to address the pollutant of concern.**

**Belleville TMDL- impairment: phosphorus**

The Town is continuing to work on the recommendations and requirements of the final TMDL report.

- The subcatchment for each outfall in the watershed has been defined on maps.

Rationale: determining the area contributing to the Belleville enables the town to track potential factors that may cause pollution.

- Volunteers from Save the Bay with Engineering's directions, has continued to install drain marker signs on the catch basins in the watershed.
- Brochures about preventing water pollution were sent to residents with their water bills.

Rationale: public education and awareness has the potential to stop residents from dumping material into the storm drains.

- All residential storm water management controls continue to be inspected for maintenance. Homeowners associations were notified of their responsibility to maintain their systems.
- Homeowners associations were sent a brochure on the importance of storm water controls by detention basins.

Rationale: erosion and sediment can carry phosphorus into receiving waters; maintenance will prevent this.

**Hunt River TMDL- impairment: fecal coliforms**

- This spring, the Engineering Office will be overseeing the construction of the BMPs designed to mitigate water quality in the Sawmill Pond watershed, contributory to the Hunt River.

Rationale: this project is targeting water quality problems such as fecal coliforms.



## SPECIAL RESOURCE PROTECTION WATERS (SRPWs)

**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 Storm Water Program to include the discharges to the aforementioned waters and adapting the Six Minimum Control Measures to include the control of storm water 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.

The following are SRPWs within NK's jurisdiction listed Appendix D of the RIDEM WQ Regulations:

**Allen Harbor-** impaired by degraded sediments (probably historic from its former use by the Navy). The Town has no storm water outfalls to this water-body. The land-use is recreational area. Calf Pasture Park is undeveloped. The Town Marina is relatively level with a small amount of impervious area consisting of roofs and roadway. Recent reconstruction of the revetment and bulkhead prevents erosion of sediments into the water.

**Bissel Cove-** impaired by fecal coliforms (FC). There are 6 storm water outfalls; two have been inspected, the other four were underwater. The catch basins are cleaned regularly. The area includes many small lots which were former summer cottages. The cesspool phase-out and OWTS repair will eliminate a significant potential source of contaminants, in conjunction with ongoing enforcement of the Town's wastewater management ordinance.

**West Passage-** impaired for low dissolved oxygen. According to the comment in Appendix D of the WQ Regulations, the Quonset WWTP has been categorized as needing upgrades. The Town is under agreement with QDC to assist upgrading the plant as part of condition for contributing flows from the proposed Post Road Sewers project that is now being constructed.

**Wickford Harbor-** impaired for low dissolved oxygen. There are 8 outfalls. One outfall that ran was water from a broken water service; this was been repaired and there are no dry weather flows. The potential sources contributing to low DO are from road and sidewalk runoff. These are the steps taken to reduce or eliminate contaminants.

- The Town installed a Vortechnic water quality unit
- at the end of Main Street. Brown Street, Main Street and the municipal parking area next to the harbor.
- Several catch basins have oil/water separators.
- The catch basins are cleaned using a vacuum trailer.

**Sandhill and tributaries-** impaired by fecal coliforms (FC). There are 10 direct outfalls to Sandhill Brook. All outfalls in the watershed have been inspected. The one outfall running during dry weather was tested and found to have no FCs or other water quality issues. One location had yard waste dumped; the resident was warned. Sediment was cleaned out of 3 outfalls. Continued maintenance and inspection will reduce introduction of sediment-borne FCs from runoff. The area consists mainly of small, dense residential lots with older OWTS. This area is proposed for future sanitary sewers in the Town's draft Waste Water Facility Plan; this is eliminate potential FC from inefficient and/ or failed systems.

The following are impaired waters listed in Appendix G of the 2008 Integrated WQ Monitoring & Assessment Report:  
**Belleville Pond-** The final TMDL was published in December 2010. This progress in this watershed is described in the TMDL section above

**Hunt River-** Work in this watershed is listed in the TMDL section above.



# 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 storm water under the Rhode Island Pollutant Discharge Elimination System (RIPDES) Storm Water 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 2012 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.

Describe whether each measurable goal was completed within the time proposed in the General Permit or your Storm Water 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 2012, number of illicit discharges tracked in 2012, number of illicit discharges eliminated in 2012, 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 2012. 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 reviews completed during Year 9 (2012) 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.

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

**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 Storm Water Program.