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## RIPDES SMALL MS4 ANNUAL REPORT GENERAL INFORMATION PAGE

RIPDES PERMIT #RIR04000025

REPORTING PERIOD:

YEAR 11  
Jan 2014-Dec 2014

DRAFT

**OPERATOR OF MS4**

Name: The Town of Jamestown			
Mailing Address: 93 Narragansett Ave			
City: Jamestown	State: RI	Zip: 02835	Phone: (401) 423-7193
Contact Person:	Title: Environmental Scientist		
Justin Jobin	Email: <a href="mailto:jjobin@jamestownri.net">jjobin@jamestownri.net</a>		
Legal status (circle one): <p style="text-align: center;"><b>(PUB – Public)</b></p>			

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

SAME AS OPERATOR
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**CERTIFICATION**

<p>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.</p>	
Print Name _____	
Print Title _____	
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 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.

Summary of The Town of Jamestown's Stormwater Education and Outreach Measures in 2014:

The Town continued to participate in the education and outreach measures that was made available by DEM, URI, and RIDOT.

The Town continued distribution of the Storm Water Management Factsheet that was developed in 2009.

The Town continued working with DEM, URI, and HEALTH, on a nitrate / groundwater study in the Jamestown Shores. Approximately 65 nitrate samples were taken in the Spring of 2011. In 2012, The Town assisted URI Grad Student Amy Parmenter in assembling all nitrate, OWTS, and building data in The Jamestown Shores. Amy Parmenter's Master's Thesis titled "GEOSPATIAL ANALYSIS OF DENITRIFYING SEPTIC SYSTEMS AND GROUNDWATER NITRATE CONCENTRATIONS IN JAMESTOWN SHORES, RHODE ISLAND" is in the process of being published in The Journal of Hydrology.

The Town also began an illicit discharge inspection program for illegal sump pump and roof leader connections to the sanitary sewer system. 704 inspections have been completed to date. These inspections of private residences are aimed at reducing inflow and infiltration into the sanitary sewer system, which lead to sewer system overflows. This program has been successful and will continue until all properties connected to the sanitary sewer are inspected.

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 stormwater program. Describe partnerships with governmental and non-governmental agencies used to involve your community.

The Town has received education and outreach materials from the URI cooperative Extension & RIDEM. This material has been placed on the Town's Stormwater Management Webpage: <http://jamestownri.gov/town-departments/stormwater-management>

Stormwater Factsheets were distributed with the Onsite Wastewater Mailing in 2014.

Additional Measurable Goals and Activities: Please list all stormwater training attended by your staff during the 2014 calendar year and list the name(s) and municipal position of all staff who attended the training.

**TRAINING & CONFERENCES:**

- Registration for 25<sup>th</sup> Annual Nonpoint Source Pollution Conference on April 29-30, 2014 at Newport Harbor Hotel Newport, Rhode Island – Justin Jobin, Environmental Scientist
- Assisted URI, RIDEM, DOT, and The Town of Warwick with training for the 2014 Municipal Mapping Project – Justin Jobin– Justin Jobin, Environmental Scientist



**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 Youth Litter Corp participate in shoreline cleanup and are effective at removing floatables.

Residents served by septic systems were targeted as part of the annual onsite wastewater management Program.

The Town in cooperation with the Land Trust, Conservation Commission, and Jamestown Shores Association put together The Jamestown Shores Tax Lot Management Plan aimed at protecting undeveloped lots in the Jamestown Shores to assist in the reduction of runoff and groundwater recharge. "Groundwater Protection" signs were installed on these lots in 2014.

**Additional Measurable Goals and Activities:**

- The DPW, Conservation Commission and the general public participate in streams and shoreline cleanup Annually on earth day.
- The Town funds a youth litter corps which involves an educational program, recycling, and litter pickup
- The Audubon Society Conducts an annual public clean-up of the shoreline for the Swim-Across-The-Bay Program
- The Town Recreation Department provides trash barrels at public recreation areas and shoreline access points.
- The electronic waste and battery recycling program, continues to be effective in reducing curb-side electronics and the leaching of harmful chemicals from electronics into stormwater.

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

Date of Public Notice: 3/5/2015	How public was notified: The Jamestown Press, & Town Website
Was public meeting held?      YES      NO	
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:**

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

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.

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

IV.B.3.b.1:	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: Last Update to Town Outfall Map was 2012</b>
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An Outfall map was first created in 2006 and submitted with the 2006 annual report. This map was revised during the 2007 dry weather surveys and included with the 2007 annual report. We included the electronic submission of Outfall locations in the required excel format with the 2008 annual report.

In 2011 The Town hired Engineering / GIS Interns to assist Staff with Stormwater and Sanitary Sewer inspection and reporting requirements. As part of this, dry weather surveys were completed and several previously unknown outfalls were located. This information has been updated in our GIS system and summary sheets showing location, coordinates, and basic information were created for each outfall.

In 2012, The Town continued working with Interns to map stormwater infrastructure. Several additional outfalls were Identified and Mapped and the excel tables were updated. This information is included with the annual report.

IV.B.3.b.2	Indicate if your municipality chose to implement the tagging of outfalls activity under the IDDE minimum measure, activities and actions undertaken under the 2014 calendar year.
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The Town has chosen to GPS the outfalls in place of outfall tagging. The outfalls have been located using a Trimble GeoXT GPS receiver.

IV.B.3.b.3	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.
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The Town began extensive mapping of the stormwater and wastewater infrastructure in 2011. Environmental Science Interns were hired in 2011, 2012, and 2013. To date, 919 catch basins have been inspected, mapped, and managed in GIS. In addition to catch basins and outfalls, a GIS layer for storm collection pipes has been created which illustrates direction of flow. The Town is approximately 90% complete in our storm sewer mapping project.

We feel this program has been very effective at identifying potential infrastructure issues, allowing DPW to prioritize O&M efforts based on Inspection Results.

IV.B.3.b.4	Indicate if the IDDE ordinance was <u>not</u> 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.
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The IDE Ordinance was adopted on 12/6/2005 and submitted to RIDEM with a signed letter from the Town Solicitor. No amendments were made to the IDE Ordinance in 2014.

IV.B.3.b.5.ii, iii, iv, & v 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.

DPW Employees respond to all complaints, inspect the area, and notify emergency response if needed. A record of all illicit discharges reported is kept by the public works department.

In 2010, Town staff began preliminary discussion about developing an online electronic complaint, comment, and ticketing system. In 2014, The Town debuted a new municipal website that has the capability needed for online complaint tracking. We hope to incorporate this feature in the next 3 to 5 years.

IV.B.3.b.5.vi Provide summary of implementation of catch basin and manhole inspections for illicit connections and non-stormwater 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.

To Date, The Town has mapped and inspected 919 of an estimated 1,000 catch basins. Paper copies of all inspections are kept in the Public Work Department at Town Hall. There are two sections that still need catch basin inspections and mapping, the Shoreby Hill neighborhood and RIDOT's Southwest Ave drainage network. This will be accomplished by 2016.

IV.B.3.b.5.vii If dry weather surveys including field screening for non-stormwater 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. **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.**  
Date of Completion:

The Town completed two dry weather surveys in 2007 as required under this permit. In addition, dry weather surveys have been performed annually since 2007. The RIDEM provided Excel table is updated annually and included electronically with this report.

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.

In 2012, 24 RIDOT catch basins were identified as receiving flow from Jamestown municipal drainage system. The Town intends to continue sampling RIDOT Outfalls where a Town Interconnection is suspected.

The Town of Jamestown, and RI Department of Transportation are responsible for the implementation of this requirement.

IV.B.3.b.8 Provide a description of efforts and actions taken for the referral to RIDEM of non-stormwater discharges not authorized in accordance to Part I.B.3 of this permit or another appropriate RIDES 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.

There were (3) illicit discharges identified in 2011. Two of them were resolved by the Town and the third was into a RIDOT drainage system. The matter was referred to RIDEM and RIDOT. We feel this was effective as the Town has a good working relationship with RIDOT and RIDEM personnel.

No Illicit discharges were identified in 2014.

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-stormwater 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.
<p>The Town Engineer and Environmental Scientist are responsible for the implementation of this requirement. The Town has been participating in the Stormwater Education and Outreach Program offered by DOT and URI. The Highway Department maintenance garage properly stores and disposes of the materials generated. The Town has also received a website template from URI cooperative Extension that has been populated with information specific to Jamestown and Published to The Town's Website (<a href="http://www.jamestownri.gov">www.jamestownri.gov</a>)</p>	
<p><b>Additional Measurable Goals and Activities</b></p> <p>The Onsite Wastewater Management Program has been very effective in assuring that septic systems are properly operating and that they are maintained. There were 645 septic system service activities entered into the Town's database 2014.</p>	

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

# of Illicit Discharges Identified in 2013:0	# of Illicit Discharges Tracked in 2014:0
# of Illicit Discharges Eliminated in 2013: 0	# of Complaints Received: 0
# of Complaints Investigated:1	# of Violations Issued:0
# of Violations Resolved:0	# of Unresolved Violations Referred to RIDEM:0
Total # of Illicit Discharges Identified to Date (since 2003): 4	Total # of Illicit Discharges remaining unresolved at the end of 2014: 0
<p><b>Summary of Enforcement Actions:</b></p> <p>There was an unresolved illicit discharge in 2011. A local restaurant worker was caught dumping FOG into a catchbasin that ultimately drained into the RIDOT system. Both the Town and DOT sent NOV's to the property owners and no further activity was identified.</p>	
<p><b>Extent to which the MS4 system has been mapped:</b>            90 % as previously described in Section IV.B.3.b.3 above.            Total # of Outfalls Identified and Mapped to date: 104 (including Town and RIDOT)</p>	

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

RIDOT CATCHBASINS WITH TOWN INTERCONNECTION  
 (CB ID # IS A TOWN ASSIGNED NUMBER)

53-2	65-49
63-3	65-52
65-11	65-66
65-17	71-1
65-28	71-19
65-3?	71-32
65-31	71-33
65-46	85-7

*ILLCIT DISCHARGE DETECTION AND ELIMINATION cont'd*

95-3  
95-6  
100-2  
100-27

101-4  
115-4  
115-5  
117-1

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

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**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	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. <b>Date of Adoption:</b> If the Ordinance was amended in 2014, 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>
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Article 5, Section 22 of The Jamestown Code of Ordinance was submitted to RIDEM with year 2 annual report in 2005.

The Ordinance was not amended in 2014. Amendments have yet to be made based on the 2010 RI Stormwater Design and Installation Standards Manual.

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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The Building Official inspects construction sites to ensure that erosion controls are in place. 22 building permits for new construction were issued in 2014. If necessary the building official works with the Contractor and Homeowner to address all issues concerning runoff and / or erosion from construction sites. In 2014, There were no instances that warranted a notice or sanction to ensure compliance.

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 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.
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There were no construction site enforcement issues referred to the State in 2014





**SECTION II. A - Plan and SWPPP/SESC Plan Reviews during Year 10 (2013), 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 Reviews completed: There were no private construction projects resulting in land disturbance > 1 acre
There were no private construction projects resulting in land disturbance > 1 acre.

**SECTION II.B - Erosion and Sediment Control Inspections during Year 10 (2013), 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: Daily during construction	# of Complaints Received:0
# 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.	
There were no enforcement actions in 2014. The Building Official is responsible for the implementation of this requirement.	



**MINIMUM CONTROL MEASURE #5:  
POST CONSTRUCTION STORMWATER 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 stormwater management.
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There were no State projects in Jamestown during 2014.

IV.B.5.b.6	Describe actions taken for the referral to RIDEM of new discharges of stormwater 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 stormwater discharges associated with industrial activity to ensure that facilities will obtain the proper permits).
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There were no discharges of storm water associated with industrial activity identified in 2014.

IV.B.5.b.9	Indicate if the Post-Construction Runoff from New Development and Redevelopment 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:</b> If the Ordinance was amended in 2013, 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>
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Post Construction Ordinance was adopted in year 2 of this program. No Amendments were made based on the 2010 RI Stormwater Design and Installation Standards Manual.

IV.B.5.b.12	Describe activities and actions taken to identify existing stormwater structural BMPs discharging to the MS4 with a goal of ensuring long term O&M of the BMPs.
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The Town will continue to identify BMP's as we develop our stormwater database in GIS.

The detention ponds in the West Reach and East Passage sub-divisions are annually inspected and maintained.

Maintenance requirements for new BMP's are recorded with the permit in Land Evidence and tied to the deed.

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

**Additional Measurable Goals and Activities**

The high Groundwater Ordinance requires applicants to meet septic system design standards and to mitigate post-construction runoff for a 10-year storm. The Town is reviewing all of the plans for development within the Jamestown Shores. The area consists of pre-existing non-conforming lots with an average size of 7200 sf. The ordinance has been and effective means to mitigate increase in runoff by promoting the recharge of groundwater.

**SECTION II.A. - Plan and SWPPP/SESC Plan Reviews during Year 11 (2014), Part IV.B.5.b.4:** Review 100% of post-construction BMPs for the control of stormwater 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:

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.

13 applications were reviewed in 2014 for the High Groundwater Ordinance. All 13 of these included new residential development in the Jamestown Shores on lots less than 20,000 sf. Applicants mitigated the increase in stormwater runoff for a 10-year storm utilizing infiltration devices such as rain gardens, infiltration areas, and drywells. The Town Ordinance promotes the use of low impact development by recommending the use of rain gardens, pervious pavement, and other methods that promote infiltration.

**SECTION II.B. - Post Construction Inspections during Year 11 (2014), 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: 0	# of Complaints Received: 0
# of Violations Issued: 0	# of Unresolved Violations Referred to RIDEM: 0
Summary of Enforcement Actions:  No Post Construction Enforcement Actions in 2014  The Building Official is Responsible for this Requirement	



**SECTION II.C. - Post Construction Inspections during Year 11 (2014), 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: 0	# of Complaints Received:0
# of Violations Issued: 0	# of Unresolved Violations Referred to RIDEM:0

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

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.

No Post Construction Enforcement Actions in 2014

The Building Official is Responsible for this Requirement

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**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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There are two stormwater BMPs at the North Reservoir that were installed by the DPW in 2004, and 1 at the New Highway Facility constructed in 2009. These BMP's are inspected and maintained annually.

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 DPW maintains the vegetation and grass within the detention ponds on a regular basis. In 2014 the DPW removed sediment and performed maintenance on the two detention ponds located at the North Pond Reservoir.

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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There are Approximately 1,000 Catch Basins on Jamestown

Total # of CBs within regulated area (including SRPW and TMDL areas): Approximately 600

Total # of CBs inspected in 2014: Approximately 30

Total # of CBs cleaned in 2014: Approximately 75

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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Town crews annually mow and remove the large vegetation so that the ditches can be properly maintained. We continue to establish and maintain grassed vegetation along roadsides.

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

IV.B.6.b.1.v	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>Annual outfall inspections are conducted and a list of outfalls in need of O&amp;M is kept and responded to by DPW Staff.</p> <p align="right"><b>DRAFT</b></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): 24</p> <p>Total roadway miles that were swept in 2014: 39</p>
<p>All Town Maintained roads were swept in 2014. A street sweeping summary is attached to this report</p>	
IV.B.6.b.1.vii	Describe activities and actions taken for controls to reduce floatables and other pollutants from the MS4. Evaluate appropriateness and effectiveness of this requirement.
<p>The Town continues to fund the Youth Litter Corp, during the summer months and fall weekends, nine part time staff, working 6 hour work days 4 days a week.</p> <p>In 2014, The Town continued the E-waste recycling program and over 38,000 lbs were recycled.</p>	
IV.B.6.b.1.viii	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>Sand and sediment is temporally stock piled at the Transfer Station on North Main Road. This pile is then annually disposed of at the Central Landfill as daily cover. A Total of 520 tons were disposed.</p>	
IV.B.6.b.4 and IV.B.6.b.5	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>The DPW supervisor conducts routine visual inspection of the garage to ensure equipment is properly maintained, and that all spills are properly dealt with, cleaned, and maintained.</p>	
IV.B.6.b.6	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.

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

We have participated and received training guide from URI NEMO Program.

The Drainage system for the new highway garage and salt storage facility was designed to capture the stormwater runoff from the new building pavement areas and the runoff from the existing wastewater treatment facility. The stormwater is collected in a grassed swale and water quality pond before discharging into the bay.

Parks and Open Space Maintenance is overseen by the Parks and Recreation Director, and Fleet and Building Maintenance is overseen by the Public Works Director.

IV.B.6.b.7	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.
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The Town continues to assess potential water quality impacts from proposed development projects.

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

BMP ID:	Location:	Name of BMP Owner/Operator:	Description of BMP:
Pond 1	North Main Road	The Town of Jamestown	Detention Ponds
Pond 2	North Main Road	The Town of Jamestown	Detention Ponds
Pond 3	West Reach Development	Privately Owned / Town Maintained	Detention Ponds
Pond 4	West Reach Development	Privately Owned / Town Maintained	Detention Ponds
Pond 5	East Passage Development	Privately Owned / Town Maintained	Detention Ponds
Pond 6	East Passage Development	Privately Owned / Town Maintained	Detention Ponds

**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:
90	Westwind Drive	Prone to sediment accumulation	Outfall maintained on as needed basis	Narragansett Bay

**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).**

1. There is an anticipated permitting project for the reconstruction of North Road in Jamestown beginning in 2015
2. The redevelopment of the Pavillion at Ft. Getty will include water quality BMPS to treat and infiltrate runoff from the roof and parking area.

**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).**

The Town Maintains the following lists:

- Outfalls requiring maintenance
- Catchbasins requiring maintenance
- Outfalls Staff has been unable to locate
- Questions regarding State Owned Drainage

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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.

In 2011, Jamestown Brook was listed on the statewide bacteria TMDL List. The Town believes the problem is due to runoff from wildlife in the mainly forested and lightly developed area.



## 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.

There are no MS4 discharges to SRPW's