



**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:	
<p>Include information relevant to the implementation of each measurable goal, such as activities, topics addressed, audiences and pollutants targeted. Discuss activities to be carried out during the next reporting cycle. If addressing TMDL requirements, please indicate rationale for choosing the education activity to address the pollutant of concern.</p> <p>(Note: Identify parties responsible for achieving the measurable goals and reference any reliance on another entity for achieving measurable goals.)</p>	
IV.B.1.b.1	<p>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.</p> <p><u>Land Development and Subdivision Regulations as amended April 27, 2005 contain design criteria for erosion and sediment control. Development plans must preserve natural features, keep cuts and fills to a minimum and ensure conformity with topography so as to adequately handle volume and velocity of surface water runoff. Public workshops and public hearing held. The website for RI storm water Solutions has been quick linked on Town website</u></p>
IV.B.1.b.2	<p>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.</p> <p><u>Town of Cumberland now has a website for public information to the residents. Town Highway division assists (and vice versa) State DOT in bi-annual (twice yearly) sidewalk and street sweeping. Equipment exchange to accomplish goals is also accomplished. The Town has placed on its website (www.cumberlandri.org) a direct link to "Rhode Island Storm Water Solution." The Town has also implemented a program to install signs at high risk locations where residents are not "scooping the poop" from their pets and in some cases the depositing of poop bags in catch basins. The signs read "CAUTION DRAINS TO PUBLIC WATER SUPPLY." Also the Town assisted DEM in tracing sanitary connections that were made to storm drains many decades ago. Upon issuance of violation notices the Town assisted in providing information on correction of the problem. When problems are found or brought too our attention we act to educate and assist the party involved on correction of the pollution concern. We find that the one on one approach is successful.</u></p>
<p>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.</p> <p>Attendance at the following trainings if applicable:</p> <p><input type="checkbox"/> A New Approach to Financing Stormwater Management: Stormwater Utility Districts. Workshop Part 3: Rhode Island Moves Forward (January 26, 2012)</p> <p>Attending name of staff and title: _____</p> <p>Attending name of staff and title: _____</p> <p><input type="checkbox"/> RI Residential Rain Garden Training (April 3, 2012)</p> <p>Attending name of staff and title: _____</p> <p>Attending name of staff and title: _____</p> <p><input type="checkbox"/> Small Scale Bioretention Installation Training (April 11-12, 2012)</p> <p>Attending name of staff and title: _____</p> <p>Attending name of staff and title: _____</p> <p><input type="checkbox"/> Results of a Pilot Stormdrain Mapping Project in Johnston and Smithfield, RI ... and how your municipality can participate (November 20, 2012)</p> <p>Attending name of staff and title: _____</p>	

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PUBLIC EDUCATION AND OUTREACH cont'd

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: During 2012 James N'Tow of our Engineering Division was certified as an Erosion Control Inspector and also as a Construction Inspector for Storm water Management



**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:	
<p>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.</p> <p>(Note: Identify parties responsible for achieving the measurable goals and reference any reliance on another entity for achieving measurable goals.)</p>	
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.
<p><u>MS4 operator is member of Technical Review Committee of the Planning Department. All Planning Commission meetings are open to the public. MS4 operator is available to assist developers and the general public in all matters pertaining to storm water issues. All documents are available for public review.</u></p>	
<p>Additional Measurable Goals and Activities <u>The Town has implemented an "Adopt-A-Spot" program for public participation. The Town also assists with volunteer spring and fall clean ups. In this regard clean ups are targeted in various open areas and along river banks to capture debris before entering water bodies and storm water systems. The Town also has volunteered through RIRRC to be a regional disposal center for motor oil and associated products such as tires, batteries, and e-waste that might otherwise end up contaminating storm water and ground water. The public is educated through contact with RIRRC and the Town. The Town has opted to participate in the URI NEMO Storm Water Education and Outreach Program and attempts to attend workshops as time and personnel schedules permit. The Valley Breeze, a locally owned free weekly newspaper, has been a strong community proponent of sponsoring clean ups and regularly assists the Town with publishing environmentally friendly news articles.</u></p>	

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:	How public was notified:
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	
<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>(Note: Identify parties responsible for achieving the measurable goals and reference any reliance on another entity for achieving measurable goals.)</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.)</p> <p>Date of Completion:</p> <p><u>Outfall mapping is now 99% complete. A recent retiree was hired back under the 75 day retiree rule to assist in completing mapping. See electronic submittal.</u></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><u>Now that our mapping is 99% complete we will be able to commence this task.</u></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><u>Database excel spreadsheet initiated inventorying town wide catch basins. Database includes locations and dates of cleaning. See Exhibit B</u></p>
IV.B.3.b.4	<p>Indicate if the IDDE 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.</p> <p>Date of Adoption: If the Ordinance was amended in 2012, please indicate why changes were necessary.</p> <p><u>IDDE ordinance was developed and submitted to the Town Council. The Town Solicitor sought and received clarification on several issues. Proposed IDDE Ordinance was sent to the Town Council Ordinance Subcommittee.</u></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> <p><u>Complaints are routed to David Carr, Sewer Superintendent. Mr Carr investigates complaints to determine validity. If valid he works with Town Solicitor's Office for correction. He has also forged partnering with DEM, DOT, and NBC.</u></p>

ILLICIT DISCHARGE DETECTION AND ELIMINATION cont'd

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.
<p><u>The Town maintains a catch basin cleaning program. During cleaning, observations are made as to required structural maintenance and if there is a detectable illicit connection. Highway Superintendent is in responsible charge.</u></p>	
IV.B.3.b.5.vii	<p>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. 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: To be completed.</p>
<p><u>The Town is in the process of setting up programs to complete dry weather surveys. Once end of the line locations are finished surveys will be completed (See IV.B.3.b.1). Monies will be sought from existing budget and any grant monies that may be received. It is expected that surveys will indicate that RIDOT has already achieved some of this activity. We are in the process of identifying and mapping RIDOT outfalls to avoid costly duplication of testing.</u></p>	
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.
<p><u>See State of RIDOT Annual Reports. To the best of our knowledge State DOT is only interconnected MS4. Allison Hamel has been very helpful in providing information to the Town.</u></p>	
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.
<p><u>David Carr, Superintendent of Sewers, works closely with DEM in reporting suspicious discharges. The Town will continue coordinating with the DEM Office of Compliance and Inspection.</u></p>	
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.
<p><u>See Town of Cumberland Website – www.cumberlandri.org – The town has placed a direct link to Rhode Island Stormwater Solutions on the homepage. Highway personnel are trained to report any suspicious activities during their assigned duties in catch basin cleaning and outfall maintenance. Informational street signs have been placed in problem areas alerting public that the drain drains to public water supply.</u></p>	

ILLICIT DISCHARGE DETECTION AND ELIMINATION cont'd

Additional Measurable Goals and Activities All requests for building permits are routed for review to the Public Works Office. This review process ensures compliance with proper storm water design in accordance with current standards for projects 1 acre and greater. The town also now requires a review of lots less than 1 acre to ensure no additional net flow to our system.

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

# of Illicit Discharges Identified in 2012: <u>0</u>	# of Illicit Discharges Tracked in 2012: <u>0</u>
# of Illicit Discharges Eliminated in 2012: <u>0</u>	# of Complaints Received: <u>0</u>
# of Complaints Investigated: <u>0</u>	# of Violations Issued: <u>0</u>
# of Violations Resolved: <u>0</u>	# of Unresolved Violations Referred to RIDEM: <u>0</u>
Total # of Illicit Discharges Identified to Date (since 2003): <u>4</u>	Total # of Illicit Discharges remaining unresolved at the end of 2012: <u>0</u>
Summary of Enforcement Actions: <u>None in 2012</u>	
Extent to which the MS4 system has been mapped: <u>99%</u>	
Total # of Outfalls Identified and Mapped to date: <u>in process</u>	

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:



**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:	
<p>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.</p> <p>(Note: Identify parties responsible for achieving the measurable goals and reference any reliance on another entity for achieving measurable goals.)</p>	
IV.B.4.b.1	<p>Indicate if the Sediment and Erosion Control and Control of Other Wastes at Construction Sites 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.</p> <p>Date of Adoption: 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> <p><u>Cumberland Ordinance Chapter 20 Land Disturbing Activities, Article III adopted 07-18-1992.</u></p>
IV.B.4.b.6	<p>Describe actions taken as a result of receipt and consideration of information submitted by the public.</p> <p><u>The Town has established citizen referral web based information/complaint request forms. The purpose is to have a structural format for citizens to contact the Town. Upon receipt the concern, complaint, or request is referred to the Public Works Director for study, response and any required actions.</u></p>
IV.B.4.b.8	<p>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.</p> <p><u>The Town Public Works Director inspects construction sites to ensure that construction sites are compliant. When deficiencies are found he ensures that they are corrected.</u></p>
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:
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. <u>. All construction plans are reviewed by town technical committee prior to permit issuance. Recommended storm water practices as contained in the plans and specs are reviewed. We find that the reviews and subsequent inspections are effective.</u>

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: <u>25</u>	# of Complaints Received: <u>2</u>
# of Violations Issued: <u>0</u>	# of Unresolved Violations Referred to RIDEM: <u>0</u>
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. <u>. There was no enforcement actions required in 2012. Regular inspections are made to ensure compliance with approved plans and permits. The Public Works Director, Town Engineer and Building Official team up to ensure performance. Public Works Director is lead responsible party.</u>	



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

SECTION I. OVERALL EVALUATION:

GENERAL SUMMARY, STATUS, APPROPRIATENESS AND EFFECTIVENESS OF MEASURABLE GOALS:	
<p>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.</p> <p>(Note: Identify parties responsible for achieving the measurable goals and reference any reliance on another entity for achieving measurable goals.)</p>	
IV.B.5.b.5	Describe activities and actions taken to coordinate with existing State programs requiring post-construction storm water management.
<u>None this reporting period.</u>	
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).
<u>None to date.</u>	
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. <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>
<u>Covered under Town of Cumberland Land Development and Subdivision Regulations, as amended which requires us of BMP's of State of RI Storm water Drainage and Installation Standards.</u>	
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.
<u>. Town assists in cleaning BMP's when there is not a requirement for property owner to be responsible party.</u>	
Additional Measurable Goals and Activities <u>Identify responsible parties and take all necessary actions to ensure integrity of structural BMP.</u>	

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

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:
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. <u>Technical Review Committee ensures compliance during review process. Final inspections prior to CO issuance ensures contractor compliance.</u>

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: <u>4</u>	# of Complaints Received: <u>0</u>
# of Violations Issued: <u>0</u>	# of Unresolved Violations Referred to RIDEM:
Summary of Enforcement Actions: <u>No Town enforcement actions.</u>	

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: <u>0</u>	# of Complaints Received: <u>0</u>
# of Violations Issued: <u>0</u>	# of Unresolved Violations Referred to RIDEM: <u>0</u>
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. <u>Inspections involved sites of yet to be completed BMP's. The Town assumes no responsibility for privately owned and maintained structural BMP's. In cases of emergency the Town has assisted.</u>	



**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:	
<p>Include information relevant to the implementation of each measurable goal, such as activities and practices used to address on-going requirements, and personnel responsible. Discuss activities to be carried out during the next reporting cycle. If addressing TMDL requirements, please indicate rationale for the activities chosen to address the pollutant of concern.</p> <p>(Note: Identify parties responsible for achieving the measurable goals and reference any reliance on another entity for achieving measurable goals.)</p>	
IV.B.6.b.1.i	<p>Describe activities and actions taken to identify structural BMPs owned or operated by the small MS4 operator (the program must include identification and listing of the specific location and a description of all structural BMPs in the SWMPP and update the information in the Annual Report). Evaluate appropriateness and effectiveness of this requirement.</p> <p><u>Identifications of structural BMP's is a work in progress. Identification of responsible party of ownership and maintenance is being made. In cases of emergency the Town has interceded.</u></p>
IV.B.6.b.1.ii	<p>Describe activities and actions taken for inspections, cleaning and repair of detention/retention basins, storm sewers and catch basins with appropriate scheduling given intensity and type of use in the catchment area. Evaluate appropriateness and effectiveness of this requirement.</p> <p><u>Catch basins are cleaned and inspected on a regular basis (approximately every 1 1/2 years for non-problem areas and in some cases 2-3 times a year in problem areas). The Town does not claim ownership to any retention/detention bains but have assisted private responsible parties in emergency situations. Storm sewer are inspected, catch basins are inspected and repairs/replacements made as necessary.</u></p>
IV.B.6.b.1.iii	<p>Describe activities and actions taken to support the requirement of yearly inspection and cleaning of all catch basins (a lesser frequency of inspection based on at least two consecutive years of operational data indicating the system does not require annual cleaning might be acceptable). Evaluate appropriateness and effectiveness of this requirement.</p> <p>Total # of CBs within regulated area (including SRPW and TMDL areas): <u>2400+/-</u></p> <p>Total # of CBs inspected in 2012: <u>232</u></p> <p>Total # of CBs cleaned in 2012: <u>232</u></p> <p><u>In 2011 950 catch basins were inspected and cleaned. Catch Basin cleaning was curtailed in 2012 due to manpower shortage and equipment breakdown.</u></p>
IV.B.6.b.1.iv	<p>Describe activities and actions taken to minimize erosion of road shoulders and roadside ditches by requiring stabilization of those areas. Evaluate appropriateness and effectiveness of this requirement.</p> <p><u>Highway crews are trained and equipped to stabilize and minimize erosion of shoulders and ditches as conditions dictate. Present system is effective and appropriate.</u></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>

POLLUTION PREVENTION AND GOOD HOUSEKEEPING IN MUNICIPAL OPERATIONS cont'd

<p><u>When scouring is observed and engineering analysis is made and corrective actions are undertaken. We find that present controls are effective and appropriate.</u></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. <u>All streets are swept at least once.</u></p> <p>Total roadway miles within regulated area (including SRPW and TMDL areas): <u>160</u></p> <p>Total roadway miles that were swept in 2012: <u>190</u></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><u>Cleaned during normal maintenance. It is appropriate and effective with available manpower and equipment.</u></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><u>Sediment is removed from catch basins and deposited in dump vehicles. All large objects are removed from sediment (metal objects, tree branches, etc.). Sand sediment is transported to an approved disposal site. Daily logs are kept.</u></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><u>All basin cleaning equipment is maintained on a regular basis. In areas of known pollutants, efforts are made to reduce or eliminate them.</u></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> <p><u>1. We have curtailed use of fertilizers for field maintenance.</u> <u>2. An oil separator had been installed at our highway maintenance facility.</u> <u>3. Established technical review committee to review all new construction.</u> <u>4. Employees receive on the job training for storm water maintenance.</u> <u>5. See Part IV.B.1 for staff participation.</u> <u>6. Requirement is appropriate and effective.</u></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>

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POLLUTION PREVENTION AND GOOD HOUSEKEEPING IN MUNICIPAL OPERATIONS cont'd

This is accomplished during the Technical review process.

Additional Measurable Goals and Activities The requirement is appropriate and effective.

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

BMP ID:	Location:	Name of BMP Owner/Operator:	Description of BMP:

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.i).

Improved drainage system is planned to be installed in Reservoir Road, Old Reservoir Road, Jasons Grant Drive area. An application for federal grant money was rejected and we are now pursuing alternate funding.

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).

None to date.



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

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.

None to date.



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 Town is proceeding as diligently as possible to complete the requirements of the programs. Anticipated available resources have hampered efforts. Lack of grant monies has curtailed progress to fulfill requirements of this mandated unfunded program. We are proceeding and achieving program goals, but have not been able to meet requirement time frames.



**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 10th 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.