RHODE ISLAND DEPARTMENT OF
ENVIRONMENTAL MANAGEMENT
Office of Water Resources

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RIPDES SMALL MS4 ANNUAL REPORT

GENERAL INFORMATION PAGE

RIPDES PERMIT #RIR040001

REPORTING PERIOD: ☒ **YEAR 10**
Jan 2013-Dec 2013

OPERATOR OF MS4

Name: Burrillville, Town of			
Mailing Address: 105 Harrisville Main Street			
City: Harrisville	State: RI	Zip: 02830	Phone: (401) 568-4440
Contact Person: Jeffrey M. McCormick, P.E.	Title: Director of Public Works and Engineering Services		
	Email: jmccormick@burrillville.org		
Legal status (circle one): PRI - Private (PUB - Public) BPP - Public/Private STA - State FED – Federal Other (please specify):			

OWNER OF MS4 (if different from OPERATOR)

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

CERTIFICATION

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

Print Name Michael C. Wood

Print Title Town Manager

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.

The Town's website link http://www.burrillville.org/Public_Documents/BurrillvilleRI_DPW/Storm%20Water includes a summary of the Town's stormwater management program and EPA links to the six minimum control measures. The public education and outreach link includes examples of stormwater pollution sources for the public to view. This activity is appropriate and can be effective since it provides useful information and links by internet.

Due to unavailable grant funds, the Town Recycling Coordinator did not hold free tours in 2013 for Blackstone Residents that focused on litter and beautification of the Blackstone River. However, in 2013, tours of the local landfill were given to school children that focused on waste control and recycling, including keeping debris and litter off of streets and properties.

In Spring 2012, the Town began a single stream garbage collection program that allowed all recyclables to be placed in a single closed bin. This process helps to decrease debris in stormwater outfalls.

The Town posts the following brochures at Town Hall:

- EPA stormwater brochure *Make Your Home the Solution to Stormwater Pollution! A homeowner's guide to healthy habits for clean water.*
- Rhode Island Resource Recovery Program hazardous waste brochure *A Safer Home. A Cleaner Home.* The Central Landfill has an Eco-Depot that provides residents with a place to dispose hazardous waste. The brochure includes information on the Eco-Depot that includes description of household hazardous waste, frequently asked questions, and directions.
- Blackstone River Coalition Stormwater Folder *A Homeowner's Guide to Protecting Water Quality in the Blackstone River Watershed.* The folder includes stormwater brochures that address lawn care, car care, pet waste, rooftop runoff, pervious surfaces, stream buffers, yard waste, and rain gardens.

These educational brochures can be effective since it provides information to homeowners on helpful habits to mitigate stormwater pollution from private property. Brochures are attached to this annual report.

Responsible parties: DPW, IT, Planning, School Dept.

The aforementioned activities are ongoing and will be modified per re-issuance of the MS4 General Permit.

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 state's stormwater program is largely administered through the URI NEMO stormwater public education and outreach program. The Town has committed to participating in the URI NEMO stormwater program.

The Town's website link for the stormwater management program (see IV.B.1.b.1 above) includes a link to the Town's Stormwater Management Plan. This Plan provides the framework for the Town's stormwater management initiatives and is available online for residents to review.

Responsible parties: DPW, IT, Planning, School Dept.

The aforementioned activities are ongoing and will be modified per re-issuance of the MS4 General Permit.

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

Attendance at the following trainings if applicable:

☐ Doing More With Less: The Benefits of Stormwater Regionalization Within Your Watershed (September 30, 2013)

Attending name of staff and title: _____
Attending name of staff and title: _____

Other Trainings:

Due to limited manpower and the need to address priority projects in 2013, the DPW, Building, and Planning Departments did not attend workshops that specifically addressed stormwater management. In past years, the Town attended various trainings and workshops.

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.

The Town did sponsor a hazardous waste day "Eco Depot" on July 27, 2013. Educational brochures on the Central Landfill Eco-Depot were made assessable at Town. The brochure informs residents of the option to dispose of household hazardous waste at the Central Landfill's Eco-Depot and provides directions. Brochure is attached as part of Item IV.B.1.b.1.

The Town also provides Eco Depot information on the Town's website and with informational material given to new residents. The Town plans to sponsor an Eco Depot in 2014.

The Burrillville Lions Club conducted their annual Earth Day Clean-up on April 20, 2013. The Burrillville DPW and Parks & Recreation in conjunction with the Burrillville Lions Club, Blackstone Valley Tourism Council, Dan's Management/Dunkin Donuts, Waste Management, and Burrillville Departments sponsored this event. The cleanup engaged the sponsors and the Town to work together to target areas of Town for litter and debris cleanup. Cleanup areas included 29 miles of streets/roads and 5 acres of park and public lands. The Town DPW properly disposed over 3.2 tons of litter/debris/bulky waste, 25 pounds of plastic for recycling, 100 pounds of aluminum/steel, and 102 tires. 260 local volunteers assisted in the clean-up event with 1,040 volunteer hours logged. The event results worksheet is attached to this annual report.

The Town has a very active Municipal Recycling Program. A community based recycling calendar and information on recyclable items are provided on the Town's website. Recycling kits are distributed with each new recycling bin that is issued. In December 2010, the Town implemented a "No Bin No Barrel" program that allows trash pickup only when recyclables are placed curbside. The Town works closely with URI NEMO and the RI Resource Recovery Corporation. The Town's Refuse and Recycling Brochure is attached to this annual report.

Two Burrillville residents continue to volunteer their time to sample the following 3 sites in Burrillville as part of long term monitoring for water bodies in the Blackstone Watershed: Clear River, Chepatchet River, and Tarkiln Brook.

The aforementioned activities are effective methods to reduce litter and debris in the Town water bodies, educate residents on proper disposal methods, and provide a means for residents to dispose of solid and hazardous waste items.

Responsible parties: DPW, Planning

The aforementioned activities are ongoing and will be modified per re-issuance of the MS4 General Permit.

Additional Measurable Goals and Activities

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: February 10, 2013	How public was notified: Website, Woonsocket Call, Town Bulletin Board
Was public meeting held? YES (NO)	
Date:	Where:
Summary of public comments received: No public comments received.	
Planned responses or changes to the program: None.	

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.) **Date of Completion: September 2006 (outfall map)**

A map of the Town owned drainage system is available in GIS format and was previously submitted to RIDEM.
A GPS unit identified outfall locations. Attribute information recorded for the outfalls includes outfall location (lat/long), material, diameter, condition, maintenance assessment, pipes coming into structure, outlet description, and field notes.

A hardcopy outfall map was provided with the 2009 (Year 6) Annual Report.

The most up-to-date Excel table with outfall location information was provided electronically on a CD with the 2010 (Year 7) Annual Report.

Responsible parties: DPW, Planning

Updates to drainage mapping are ongoing.

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 2013 calendar year.

The Town utilized a GPS unit to identify outfall locations. This method is considered more useful for future needs. Tagging was not completed.

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.

Catch basins and manholes are included in the outfall GIS layer. Culverts, swales, vortechs, yard drains, and other misc. drainage structures are included in this GIS layer. Attribute information includes data referenced in Item IV.B.3.b.1 above.

Drainage pipes are a separate GIS layer. Attribute information saved in the GIS layer includes location, pipe size, material, condition, maintenance assessment, and field notes.

The activity was implemented as a result of the tracking of illicit discharges.

Recording drainage system elements is useful for outfall subcatchment area delineation and understanding the extent of the Town's drainage system. Subcatchments for five outfalls with dry weather flows were delineated as part of IDDE efforts conducted in 2011, as referenced in the Year 8 Annual Report.

GIS layer information was previously submitted to RIDEM.

Responsible parties: DPW, Planning

Updates to drainage mapping are ongoing.

IV.B.3.b.4	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. **Date of Adoption: 8/27/2008** If the Ordinance was amended in 2013, please indicate why changes were necessary.

The IDDE ordinance was developed and adopted on August 27, 2008. A copy of the ordinance was submitted to RIDEM in 2009. The Ordinance was not amended in 2013.

Responsible parties: DPW, Planning

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.

Public complaints are received and followed up by the Building Official and Public Works Department. The Director of Public Works or designee administers, implements, and enforces the provisions of the IDDE Ordinance.

The Town requests residents to submit plans for septic system repairs and corrective action. To date, approximately 8 septic systems have been corrected with assistance from the Town; approximately 2 of those systems received funds from the Community Development Block Grant funds that the Town coordinated. Complaints related to OWTS (septic system) discharges are provided to RIDEM for appropriate action. In 2013, approximately 24 septic systems were repaired in Town with assistance from RIDEM.

Emergency responses related to spills are coordinated with the Town Fire Department and appropriate authorities as necessary.

Five potential illicit discharges were identified from the two dry weather surveys (see Item IV.B.3.b.5.vii below). Subcatchment maps for the five priority outfalls were provided in the 2010 (Year 7) Annual Report. The five outfalls and tributary drainage and subcatchment areas were field investigated on December 13, 2011, as described in the Year 8 Annual Report. The results of the field assessment and recommendations were summarized and provided to RIDEM (attention Eric Beck) in a letter report (RE: RIPDES Permit No. RIR040001, Illicit Discharge Detection and Elimination: Outfall Subcatchment Field Investigations) dated January 12, 2012. Illicit discharges were not identified during the field assessment; recommendations for the five outfalls included prioritization for the next round of sampling required under the MS4 General Permit renewal and tributary drainage cleaning. Specific details, recommendations, and schedules are identified in the letter report, also indicated in the 2011 (Year 8) Annual Report. Short term recommendations were completed (see Item IV.B.3.b.5.vii below).

Responsible parties: DPW, Building Department

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.

Inspection of the drainage system was completed in 2006. For 2013, 153 catch basins were inspected as part of the catch basin cleaning program (refer to the Catch Basin Identification Form attached to this annual report). These catch basins inspections occurred in the eastern third of Burrillville that includes the following water bodies: Tarkiln Pond, Clear River, Nichols Pond, Mill Ponds, and a section of the Chepatchet River. Manholes were inspected on an as-needed basis.

As part of the IDDE field assessment for the five priority outfalls (see Item IV.B.3.b.5.ii, iii, iv, & v above), the drainage system tributary to the outfalls that include upstream manholes and catch basins was inspected for illicit connections. Inspections did not reveal illicit connections.

Responsible parties: DPW

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: April 30, 2010**

The first dry weather survey was completed between July 2009 and October 2009. The second dry weather survey was completed between January 2010 and April 2010. 141 outfalls have been investigated for both the first and second survey. Five potential illicit discharges were identified from the surveys and scheduled for investigation by March 1, 2011 (refer to Burrillville's Response to Notice of Intent to Enforce (NOIE) letter sent to RIDEM attention Eric Beck dated January 4, 2011) to identify potential illicit connections for elimination. Due to the significant snowfall and costs associated with above normal sanding operations for the 2010 – 2011 Winter Season, outfall investigations were postponed until December 13, 2011. As referenced in Item IV.B.3.b.5.ii, iii, iv, & v above, illicit discharges were not identified but recommendations were provided that included identifying the outfalls as a priority for IDDE assessments under the next General Permit and drainage structure cleaning. The results of the field assessment and recommendations were summarized and provided to RIDEM (attention Eric Beck) in a letter report (RE: RIPDES Permit No. RIR040001, Illicit Discharge Detection and Elimination: Outfall Subcatchment Field Investigations) dated January 12, 2012, also indicated in the 2011 (Year 8) Annual Report. Short term recommended actions that include drainage structure cleaning and litter debris cleanup were completed in Spring 2012. Long term recommended actions that include outfall sampling will be completed as part of the next MS4 permit.

A copy of the electronic data for the two outfall surveys was previously provided to RIDEM with Burrillville's Response to Notice of Intent to Enforce (NOIE) letter dated January 4, 2011 and the 2010 (Year 7) Annual Report. Electronic data indicates the presence or absence of dry weather discharges.

The dry weather surveys were effective to show that 5 out of the 141 outfalls assessed (3.5%) had potential illicit discharges. These five outfalls with dry weather flow were further assessed on December 13, 2011 with no indications of illicit connections or discharges during the time of the assessments. In addition, the short term recommended actions that include drainage structure cleaning and litter debris cleanup were completed in Spring 2012.

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.

The 5 outfalls field assessed in 2011 for illicit discharges are not located near or on RIDOT roadways. Therefore, no action was taken with RIDOT. Additionally, no action was required in 2012 or 2013.

The Town's drainage system does not connect with another MS4 community.

To date, coordination with RIDOT is not necessary and coordination with other MS4 communities does not apply. Therefore, an evaluation on effectiveness is not necessary.

Responsible parties: DPW

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 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.

RIDEM is notified of any discharges that apply to state regulations. For example, RIDEM is notified of any discharges to a regulated wetland as part of the state's wetland regulations and any discharges from OWTS (septic systems) as part of the state's OWTS regulations. For development and redevelopment projects in Town, a review by the Planning Board triggers a review for wetland regulation compliance and an inspection by the Building Department checks for an approved OWTS (if applicable).

This requirement is effective by allowing coordination with RIDEM for potential illicit discharge issues.

Responsible parties: DPW, Building Department, Planning

Coordination efforts are an ongoing activity.

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.

The Town has a multitude of information on their website. This includes a description of the Town's storm drain stenciling program conducted in Fall 2007 that details the importance of refraining from dumping items down the storm drains. The Town's Recycling Program, recycling calendar, and proper disposal methods for wastes (yard waste, used tires, motor oil, etc.) is also provided on the website. The recycling calendar is a full-size calendar that provides hazardous waste days, compost facility hours, etc. A copy of the website page and links that describe recycling and disposal methods for community use is attached to this annual report.

The Town uses their website as a tool to inform the public of potential hazards and proper waste disposal techniques, consistent with many of their public education efforts. In addition, the website provides information on street sweeping activities that are a good housekeeping activity.

The EPA brochure *Make Your Home the Solution to Stormwater Pollution! A homeowner's guide to healthy habits for clean water* provides information on mitigating pollution in stormwater runoff. This brochure is provided at the Town Hall.

This requirement is effective to provide information to the public.

Responsible parties: DPW, Building Department, Planning

This is an ongoing activity.

Additional Measurable Goals and Activities

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

# of Illicit Discharges Identified in 2013: 0	# of Illicit Discharges Tracked in 2013: 0
# of Illicit Discharges Eliminated in 2013: 0	# of Complaints Received: 0
# of Complaints Investigated: 0	# of Violations Issued: 0
# of Violations Resolved: 0	# of Unresolved Violations Referred to RIDEM: 0
Total # of Illicit Discharges Identified to Date (since 2003): 0	Total # of Illicit Discharges remaining unresolved at the end of 2013: 0

Summary of Enforcement Actions: No Enforcement Action taken - no illicit discharges identified.

Extent to which the MS4 system has been mapped: All Town-owned outfalls have been identified in the urbanized areas and downloaded into the Town's GIS. The Town Planner and Public Works personnel collected outfall data with a GPS unit during the spring of 2004. During 2005, Public Works purchased a GPS unit to locate Town-owned drainage infrastructure.

Total # of Outfalls Identified and Mapped to date: 141 outfalls

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:

No illicit discharges are located near RIDOT roads. Therefore, coordination with RIDOT is not necessary. Interconnections with other MS4s do not exist.

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

SECTION I. OVERALL EVALUATION:

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

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

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

IV.B.4.b.1	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. **Date of Adoption: 4/25/2001** If the Ordinance was amended in 2013, please indicate why changes were necessary. Please also indicate if amendments have been made based on the 2010 *RI Stormwater Design and Installation Standards Manual*, and provide references to the amended portions of the local codes/ordinances.

The Soil Erosion and Sediment Control Ordinance was adopted in April 2001. A copy of the ordinance was submitted to RIDEM in 2009.

The Town is currently in the process of finalizing the Ordinance to clearly define SWPPP review and the construction inspection process.

For erosion and sedimentation practices during construction, the 2010 RI Stormwater Design and Installation Standards Manual references the need to implement an erosion and sediment control plan and also adhere to the Rhode Island Soil Erosion and Sediment Control Handbook – the Town's current Ordinance includes these references and standards.

Responsible parties: DPW, Building Department, Planning, Conservation Commission, Town Council

IV.B.4.b.6	Describe actions taken as a result of receipt and consideration of information submitted by the public.

A site inspection for construction activities is completed (mainly by the Building Department) and addressed on a case-by-case basis.

Responsible parties: DPW, Building Department, Planning, Conservation Commission

Receipt and consideration of information by the public is ongoing.

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.

Site inspections are ongoing. The Town reviews all construction projects in Town. Issues of non-compliance are dealt with on a case-by-case basis. When necessary, non-compliance issues are forwarded to RIDEM (such as non-compliances with Wetland and OWTS regulations).

Responsible parties: DPW, Building Department, Planning, Conservation Commission

Site inspections are ongoing.

Additional Measurable Goals and Activities
The Soil Erosion and Sediment Control Ordinance is in place and currently enforced during site plan reviews and construction inspections.

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: 0

There were no site plans submitted for proposed construction activities in Town resulting in 1-5 acres of disturbance in 2013. Two projects with greater than 5 acres of disturbance in Town that require RIDEM regulatory review include the following:

1. The Town received a copy of a permitting application for a proposed project resulting in approximately 9 acres of disturbance that includes a SWPPP for RIDEM review/approval in 2012: Interstate Reliability Project (Narragansett Electric Company dba National Grid, RIDEM Application No. 12-0117 Joint Application to Alter Freshwater Wetlands and Section 401 Water Quality Certification and RIPDES Application/SWPPP, dated July 2012). The project is not yet in the construction phase.

2. The LaGinestra Company is now undergoing a larger building expansion that includes approximately 8-9 acres of disturbance. The site was permitted under a state issued wetland permit.

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

The Soil Erosion and Sediment Control Ordinance is the enforcement mechanism to issue violations that are not in accordance with this Ordinance. To coordinate the review of SWPPPs associated with the *General Permit Rhode Island Pollutant Discharge Elimination System Storm Water Discharge Associated with Construction Activity*, the Town is currently in the process of finalizing the Ordinance to clearly define Construction SWPPP review and the inspection process. A meeting and correspondences with RIDEM to clarify state issued permits and the self-certification program were completed in 2012. Implementation of a revised Ordinance is expected to be completed in Summer/Fall 2014. This is a revised schedule to the Year 8 Annual Report that references completion in Spring/Summer 2012 and Year 9 Annual Report that referenced Summer/Fall 2013.

The Director of Public Works/Town Engineer, Town Planner, and Building Inspector are proactive and work as a team to review plans, perform site inspections, and enforce erosion and sediment control requirements. The Town receives a construction schedule prior to the start of a project and requires an inspection fee prior to project start-up.

The Planning Board and Building Official are responsible for site plan review approval. A review for drainage and sedimentation control are addressed and enforced by the Town Engineer, a P.E. Reviews include minor land developments with aggregate footprints less than 10,000 square feet in size.

Plan reviews are ongoing.

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: ≥ 1 acre = 6 (Inspections at the LaGinestra Company for building addition construction) < 1 acre = approximately 12 (includes residential properties)	# of Complaints Received: ≥ 1 acre = 0 < 1 acre = 0
# of Violations Issued: ≥ 1 acre = 0 < 1 acre = 0	# of Unresolved Violations Referred to RIDEM: ≥ 1 acre = 0 < 1 acre = 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.

Due to the economy, 1 construction activity (LaGinestra Company) ≥ 1 acre occurred in 2012 and 2013 (and is ongoing). Construction activity in Burrillville has remained low since the economic downturn, resulting in fewer needed inspections.

For 2013, no new violations for construction activities were issued. However, two (2) 2010 violations for construction activities <1 acre were still on-going due to non-compliance with RIDEM's RIPDES and Wetland Divisions. These two violations were summarized in the 2010 (Year 7) Annual Report and include the following

- Property at 1111 Victory Highway in Oakland was issued a violation for unsafe building and vegetation/grade disturbance located in wetland jurisdiction in June 2010. Property was ordered to install temporary erosion controls and submit an erosion and sediment control plan. RIDEM Office of Compliance and Inspection were cc-ed on violation. Violation has not yet been resolved. Building Officer sent notices of violations to Owner in 2011 and 2012. Court action was expected in Spring 2013, but has now been postponed until March 2014.
- Property at 249 Hill Road in Burrillville was issued a violation for clearing/excavation activities conducted near stream in September 2010. Wetlands and RIPDES division of RIDEM were contacted for enforcement assistance due to regulatory jurisdiction in October 2010. Erosion and sediment controls were implemented in 2011. RIDEM submitted a NOIE to the property owner (dated April 22, 2013) that included restoration requirements. Restoration requirements were completed and RIDEM submitted a Notice of Compliance on July 12, 2013.

The program is effective with RIDEM input for projects that involve the Wetland and RIPDES divisions.

Responsible parties: Building Department (primary), DPW, Planning, Conservation Commission

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.

The Town coordinates with requirements specified in the updated Rhode Island Stormwater Management Manual (December 2010) that include LID techniques and post-construction requirements.

Responsible parties: DPW, Building Department, Planning, Conservation Commission

Coordination efforts are ongoing.

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).

No new major industries (or associated industrial activity) have opened in Town in 2013. The Town will notify RIDEM of any new industries in Town that may require a permit for stormwater discharges or if other state regulations (such as wetland regulations) apply.

Responsible parties: DPW, Building Department, Planning

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: 8/27/08** If the Ordinance was amended in 2013, please indicate why changes were necessary. Please also indicate if amendments have been made based on the 2010 *RI Stormwater Design and Installation Standards Manual*, and provide references to the amended portions of the local codes/ordinances.

The Post Construction Stormwater Control Ordinance was developed and adopted on August 27, 2008. A copy of the ordinance was submitted to RIDEM in 2009. The Ordinance indicates that all stormwater management shall be consistent with the RI Stormwater Design and Installation Standards Manual and Rhode Island Soil Erosion and Sediment Control Handbook, as amended.

Responsible parties: DPW, Building Department, Planning, Conservation Commission, Town Council

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.

All publicly owned stormwater BMPs have been GPS located and saved as a GIS layer.

The Town coordinates with requirements specified in the updated Rhode Island Stormwater Management Manual that include LID techniques and post-construction requirements.

Responsible parties: DPW, Building Department, Planning

Additional Measurable Goals and Activities
All publicly owned BMPs inspected and callouts for maintenance/repair were incorporated into the DPW's maintenance schedule. The Planning Department is responsible for building in an overall approval and inspection program for the Engineering Department to follow, as prescribed under Planning Regulation guidelines for privately owned BMPs.

SECTION II.A. - Plan and SWPPP/SESC Plan Reviews during Year 10 (2013), 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: 1 (LaGinestra Company referenced in section IV.B.4.b.4 was reviewed and permitted by RIDEM under the state's wetland regulations; the Town conducted site inspections during construction in 2013; project is ongoing.
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. Due to the downturn in the economy, construction projects are at various stages, with many not complete. While inspections are ongoing for all construction activities regardless of land disturbance size, no new construction project in 2013 triggered the 1 acre threshold. Responsible parties: DPW, Building Department, Planning Post construction reviews are ongoing.

SECTION II.B. - Post Construction Inspections during Year 10 (2013), 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: None	

SECTION II.C. - Post Construction Inspections during Year 10 (2013), 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: 4 Three detention basins (1 on Whitney Estates, 2 on Lynmar Estates, and 1 on Daniel Drive) are public BMPs and inspected annually by the Town. Ledgewood will be added in 2014 once construction is complete.	# of Complaints Received: 0
# of Violations Issued: 0	# of Unresolved Violations Referred to RIDEM: 0
Summary of Activities and Enforcement Actions. Evaluate the effectiveness of the Program in minimizing water quality impacts. Identify person(s) /Department and/or parties responsible for the implementation of this requirement. The Town maintains BMPs on Town accepted roadways. BMPs may include the drainage system and detention basins. The Town does not maintain private roadways and affiliated drainage structures. Private property owners are responsible for O&M of BMPs on their property. For example, the Harrisville Village LLC cleans the infiltration systems, catch basins, and vortechnic units on their property on an as-needed basis and submits cleaning/inspection schedules to the Town. Also, the Mill Complex Associates Redevelopment maintains their porous pavement parking lot.	

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.

Outfalls, catch basins, manholes, and drainage pipe have been located with a GPS unit and appropriate GIS layers developed. This information provides the location of drainage system components that is useful for future MS4 regulatory requirements.

Responsible parties: DPW, Planning

Updates to drainage mapping are ongoing.

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.

153 catch basins were cleaned in 2013.

Town drainage pipes are repaired and rehabilitated on an as-needed basis as part of the Town's Capital Improvement Project schedule.

Four detention basins (1 on Whitney Estates, 2 on Lynmar Estates, and 1 on Daniel Drive) are public BMPs that are now inspected annually by the Town.

Responsible parties: DPW

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. Total # of CBs within regulated area (including SRPW and TMDL areas): approximately 450 catch basins Town-wide (approximately 300 under Town jurisdiction & 150 under RIDOT jurisdiction), 10 double catch basins, 5 curb inlets. Total # of CBs inspected in 2013: 153 Total # of CBs cleaned in 2013: 153 (Refer to attached inspection form that was used for 2013 inspections. The Town was unable to clean 100% of Town designated catch basins in 2013 due to limited manpower and budget constraints.

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.

Road shoulders are shaped/repaired as needed to prevent channelized flow. Addressing road shoulders has shown to be effective by preventing excessive sedimentation washed downgradient into catch basins. This is an ongoing effort.

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.

Structural BMPs GPS located in 2006 revealed outfalls with scouring or sedimentation concerns. These areas were identified and scheduled for appropriate maintenance. Based on the results of the two dry weather surveys, outfalls with scouring or excessive sedimentation will be addressed as necessary.

This activity is appropriate on an as-needed basis. This activity is effective to reduce sedimentation in outfalls and identify scouring that can compromise the structural integrity of outfalls.

Responsible parties: DPW

IV.B.6.b.1.vi	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. Total roadway miles within regulated area (including SRPW and TMDL areas): approximately 175 (approximately 100 miles under Town jurisdiction & 75 miles under RIDOT jurisdiction) Total roadway miles that were swept in 2013: 100 miles swept by Town. RIDOT sweeps streets under RIDOT jurisdiction.

All Town designated roadways were swept in 2013. Approximately 3,000 cy of sweepings were collected from Town roadways (this amount is more than 2012 due to more storm events requiring sanding). The 2013 street sweeping schedule is attached to this annual report.

This activity is appropriate to remove excessive sediment from roadways, especially after snowmelt. This BMP is very effective to reduce sediment buildup in catch basins and reduces catch basin cleaning efforts.

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.

The Town's Post Construction Ordinance requires routine maintenance and repairs for structural BMPs that include practices completed in accordance with the Rhode Island Stormwater Design and Installation Standards Manual or the Rhode Island Soil Erosion and Sediment Control Handbook (as amended). Routine maintenance helps to keep debris, litter, and sediment out of the Town's drainage system.

The Town's Illicit Discharge Ordinance prohibits non-stormwater discharges into the Town's drainage system, requires proper spill notification, and provides the Town with enforcement capabilities. This Ordinance helps to mitigate stormwater pollution of all kinds into the Town's drainage system.

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.
Street sweepings are used for road reconstruction, pipe bedding for drainage projects, and stockpiled and used to mix with leaves as part of composting efforts. Responsible parties: DPW This activity is ongoing.	
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.
The Town's SWPPP for the garage facility titled *Burrillville Municipal Garage Facility* describes significant materials at the garage facility, stormwater management controls and best management practices (BMPs) required to reduce pollutants in stormwater discharges, and employee training. Site inspection requirements are also detailed. Responsible parties: DPW This activity is ongoing.	
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.
Employees from the DPW, Building Department, and Planning attend workshops through outside affiliations that include the Blackstone River Coalition and Twilight Seminars. Town maintenance staff is trained on proper equipment use, material management, and proper disposal as part of job tasks. This activity is appropriate to educate Town staff and is an effective approach for those who attend trainings to educate other Town employees.	
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.
The *Burrillville Municipal Garage Facility* SWPPP was developed and implemented in 2006. This Plan includes an inventory of significant materials, past spills and leaks, industrial activities onsite that are a high risk for non-stormwater discharges, best management practices, and recordkeeping and reporting. This SWPPP includes practices that can be incorporated with other Town maintenance activities. This SWPPP is appropriate for the Municipal Highway Garage and effective at reducing stormwater pollution from the facility. Responsible parties: DPW	
Additional Measurable Goals and Activities Ongoing pollution and good housekeeping is completed where automobile batteries, antifreeze, and used motor oil are housed. Spill containment areas are built around the fuel heating oil tanks at the DPW as part of implementation of the SWPPP.	

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

BMP ID:	Location:	Name of BMP Owner/Operator:	Description of BMP:
	Porous pavement parking lot located at the Police Station	Town	For winter conditions, salt (not sand) is used to prevent clogging. Parking lot vacuumed on as-needed basis.
	Porous pavement parking lot located at Library Annex	Town	For winter conditions, salt (not sand) is used to prevent clogging. Parking lot vacuumed on as-needed basis.
	1 Vortechnic Unit located at Pascoag municipal lot	Town	Inspected annually.
	4 Detention Basins located at Whitney Estates (1), Lynmar Estates (2), and Daniel Drive (1)	Town	Inspected annually and brush cut.

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:

Outfalls assessed with scouring or sedimentation issues in the dry weather surveys will be addressed if necessary.

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).

SECTION II.D - Please include a summary of results of any other information that has been collected and analyzed. This includes any type of data (Part IV.G.2.e).

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

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.

The Statewide Bacteria TMDL approved September 22, 2011 references six water body segments in Burrillville with impairments along the Branch River, Chepachet River, Clear River (2 segments), Pascoag River, and Tarkiln Brook. The TMDL does not require Burrillville to prepare a TMDL Implementation Plan (IP) since the watershed areas tributary to the six waterbody segments contain less than 10% impervious area.

Burrillville continues to implement stormwater initiatives under the MS4 General Permit and over 7,000 acres of land in Burrillville has been designated for conservation and open space to preserve natural areas.

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 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.

Special Resource Protection Waters (SRPWs) located in the Town of Burrillville, RI include the following:

1. Cedar Swamp Pond:
    a. SRPW categories include ecological habitat and critical habitat (rare and endangered species).
    b. Cedar Swamp Pond is a Class B water body.
    c. The Town is not aware of discharges from the Town's MS4 and further protection measures are not warranted. If this status should change, the Town will implement appropriate activities to protect this water body.

2. Cold Spring Brook:
    a. SRPW categories include ecological habitat and critical habitat (rare and endangered species).
    b. Cold Spring Brook is a Class B water body.
    c. Protection measures implemented include the following: proper street sweeping and catch basin cleaning to reduce sedimentation discharges tributary to the water body, ongoing construction inspections for any construction related activities in the vicinity of the water body that are a high risk for erosion and sediment runoff, enforcement of local wetland regulations and the Rhode Island Freshwater Wetlands Act for wetlands in the vicinity of the water body. A combination of these protection efforts assist in the mitigation of stormwater pollution to the water body. Protection measures are ongoing.

3. Croff Farm Brook:
    a. SRPW categories include ecological habitat and critical habitat (rare and endangered species).
    b. Croff Farm Brook is a Class B water body.
    c. Protection measures implemented include the following: proper street sweeping and catch basin cleaning to reduce sedimentation discharges tributary to the water body, ongoing construction inspections for any construction related activities in the vicinity of the water body that are a high risk for erosion and sediment runoff, enforcement of local wetland regulations and the Rhode Island Freshwater Wetlands Act for wetlands in the vicinity of the water body. A combination of these protection efforts assist in the mitigation of stormwater pollution to the water body. Protection measures are ongoing.

4. Screech Hole Bog:
    a. SRPW categories include ecologic habitat, critical (rare and endangered species, and unique fresh water wetland). Screech Hole Bog has a fen community (persistent wetland species dependent on adequate water supply).
    b. Screech Hole Bog is a wetland just west of the North Smithfield line, contiguous to the Massachusetts border.
    c. Protection measures implemented include the following: enforcement of local wetland regulations and the Rhode Island Freshwater Wetlands Act for wetlands. Protection measures are ongoing.

5. Wallum Lake:
    a. SRPW categories include recreation, state park, and critical habitat (rare and endangered species).
    b. Wallum Lake is used as a public water supply at Zambarano Memorial Hospital (southeast corner of the Lake). Clear River flows out of Wallum Lake through Pascoag, Harrisville, and Oakland before merging with Chepachet River.
    c. Protection measures implemented include the following: proper street sweeping and catch basin cleaning to reduce sedimentation discharges tributary to the water body, ongoing construction inspections for any construction related activities in the vicinity of the water body that are a high risk for erosion and sediment runoff, enforcement of local wetland regulations and the Rhode Island Freshwater Wetlands Act for wetlands in

the vicinity of the water body. In addition, consideration is given to reduced sanding/salting operations near this public water supply source. A combination of these protection efforts assist in the mitigation of stormwater pollution to the water body. Protection measures are ongoing.

Impaired waters (with approved TMDL) include the following:

1. Branch River Segment 1A:
    a. Impairments include bacteria. Statewide Bacteria TMDL approved September 22, 2011. TMDL does not require TMDL Implementation Plan by Burrillville for river segment; watershed to brook segment is less than 10% impervious

2. Chepachet River:
    a. Impairments include bacteria. Statewide Bacteria TMDL approved September 22, 2011. TMDL does not require TMDL Implementation Plan by Burrillville for river segment; watershed to brook segment is less than 10% impervious

3. Clear River Segment Segments 5C and 5D:
    a. Impairments include bacteria. Statewide Bacteria TMDL approved September 22, 2011. TMDL does not require TMDL Implementation Plan by Burrillville for river segment; watershed to river segment is less than 10% impervious.

4. Pascoag River:
    a. Impairments include bacteria. Statewide Bacteria TMDL approved September 22, 2011. TMDL does not require TMDL Implementation Plan by Burrillville for river segment; watershed to brook segment is less than 10% impervious

5. Tarkiln Brook:
    a. Impairments include bacteria. Statewide Bacteria TMDL approved September 22, 2011. TMDL does not require TMDL Implementation Plan by Burrillville for river segment; watershed to brook segment is less than 10% impervious.

Impaired waters (with no approved TMDL) include the following:

1. Slatersville Reservoir:
    a. Impairments include copper and lead. TMDL schedule pending.
    b. Copper and lead contamination is most likely from domestic piping, road and parking lot runoff, and vehicle emissions. The Town currently conducts catch basin cleaning and street sweeping to reduce sediment runoff from roads and parking lots. In addition, the Town has installed sewers in this area that reduces contamination from domestic copper piping.

2. Clear River:
    a. Impairments include aquatic macroinvertebrate bioassessments (biodiversity impacts), cadmium, copper, and lead. TMDL schedule pending.
    b. Cadmium, copper, and lead contamination is most likely from the local wastewater treatment plant upstream. The Town is in compliance with permit limits that include low limits for copper and lead. Cadmium is not considered a pollutant of concern and was removed from testing requirements.

3. Tarkiln Brook and Tribs
    a. Impairments include benthic-marcroinvertebrate bioassessments (biodiversity impacts). TMDL schedule pending.
    b. Studies indicated contamination of the groundwater and surface water around Tarkiln Brook from an EPA Superfund Site. The impairments to this water body are not considered stormwater related.

4. Keach Brook and Tribs
    a. Impairments include benthic-macroinvertebrate bioassessments, cadmium, and lead. TMDL schedule pending.

Protection measures implemented include the following: proper street sweeping and catch basin cleaning to reduce sedimentation discharges tributary to the water body, ongoing construction inspections for any construction related activities in the vicinity of the water body that are a high risk for erosion and sediment runoff, enforcement of local wetland regulations and the Rhode Island Freshwater Wetlands Act for wetlands in the vicinity of the water body. A combination of these protection efforts assist in the mitigation of stormwater pollution to the water body. The Town also has over 7,000 acres of land zoned for conservation and open space to preserve natural areas. Protection measures are ongoing.

RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

Office of Water Resources

INSTRUCTIONS FOR THE RI POLLUTANT DISCHARGE ELIMINATION SYSTEM (RIPDES)
SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS AND INDUSTRIAL ACTIVITY AT ELIGIBLE FACILITIES OPERATED BY REGULATED SMALL MS4s

ANNUAL REPORT FORM

WHO MUST SUBMIT AN ANNUAL REPORT:

Owners/Operators of regulated small municipal separate storm sewer systems (MS4s) and industrial activities authorized to discharge stormwater under the Rhode Island Pollutant Discharge Elimination System (RIPDES) Stormwater General Permit for Small Municipal Separate Storm Sewer Systems and Industrial Activity at Eligible Facilities Operated by Regulated Small MS4s (hereafter referred to as "the General Permit"), must submit an Annual Report, outlined in Part IV.G of the permit. The Report must be submitted each year after permit issuance by March 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 2013 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 Stormwater Management Program Plan (SWMPP). Why or why not? Provide a progress report and discussion of activities that will be carried out during the next reporting cycle to satisfy the requirements of the minimum measures. If applicable, assess the appropriateness of the actions taken to meet the requirements of the minimum measure. In determining appropriateness, you may want to consider at a minimum the local population targeted, pollution sources addressed, receiving water concerns, integration with local management procedures, and available resources and violations or environmental impacts eliminated or minimized.

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

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

SECTION II- ADDITIONAL ANNUAL REPORT REQUIREMENTS

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

Minimum Control Measure #2: Section II:
Specify the date of and how the annual report was public noticed. If a public meeting was needed, provide the date and place. Include a summary of public comments received in the public comment period of the draft annual report and planned responses or changes to the program (new or revised BMP's and measurable goals, partnerships, etc.). Be sure to attach a copy of your public notice (Parts IV.G.2.h and IV.G.2.i) to the Annual Report.

Minimum Control Measure #3: Section II.A:
Provide the number of illicit discharges identified in 2013, number of illicit discharges tracked in 2013, number of illicit discharges eliminated in 2013, 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 2013. Include a short narrative describing the extent to which your system has been mapped (Part IV.G.2.m), and the total number of outfalls identified to date.

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

Minimum Control Measures #4 & 5: Section II.A:
Identify the number of construction and post-construction plan and SWPPP/SESC Plan reviews completed during Year 10 (2013) 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 stormwater controls or measures that are necessary to meet the provisions of the approved TMDL. Be sure to identify the approved TMDL and assess the progress towards meeting the requirements for the control of stormwater (Part IV.G.2.d).

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

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