RHODE ISLAND DEPARTMENT OF
ENVIRONMENTAL MANAGEMENT
Office of Water Resources

DEM USE ONLY
Date Received _____

RIPDES SMALL MS4 ANNUAL REPORT

GENERAL INFORMATION PAGE

RIPDES PERMIT #RIR040035

REPORTING PERIOD: ☒ **YEAR 19**
Jan 2022-Dec 2022

OPERATOR OF MS4

Name: Town of Cumberland			
Mailing Address: 45 Broad Street			
City: Cumberland	State: RI	Zip: 02864	Phone: (401) 728-2400
Contact Person: Joseph Duarte, P.E.	Title: Director of Public Works		
	Email: jduarte@cumberlandri.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 Joseph Duarte

Print Title Director of Public Works

Signature _____ Date 3/9/2023

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. Mark with an asterisk (*) if this person/entity is different from last year.)

Responsible Party Contact Name & Title: Joseph Duarte P.E, Director of Public Works

Phone: 401-728-2400 **Email:** jduarte@cumberlandri.org

IV.B.1.b.1	Use the space below to provide a General Summary of activities implemented to educate your community on how to reduce stormwater pollution. For TMDL affected areas, with stormwater associated pollutants of concern, indicate rationale for choosing the education activity. List materials used for public education and topics addressed. Summarize implementation status and discuss if the activity is appropriate and effective.

Education materials are available to the public at the DPW in the town hall. Residents are encouraged by DPW staff to learn about best stormwater practices during home improvement projects. Supplies to be replenished and advertising to be updated with new flyers.

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

A copy of the amended SWMPP (2017) can be reviewed at the DPW office. Residents are encouraged to educate themselves about stormwater management using literature available at the DPW office.

Check all topics that were included in the Public Education and Outreach program during this reporting period. For each of the topics selected, provide:
Target Audience(s): Public Employees, Residents, General Public, Businesses, Industries, Restaurants, Contractors, Developers, Agriculture, Other (describe);
Target Pollutant(s): (e.g. pet waste, fertilizers, Total Suspended Solids, etc.);
Strategies/Media: Direct Mailings, List Servs, Kiosks or Other Displays, Newspaper Ads or Articles, Public Events or Presentations, School Programs, Printed Materials, Direct Trainings, Videos, Webpage, Other (describe)

Topic	Target Audience(s)	Target Pollutant(s)	Strategies/Media
X Construction Sites	Contractor, Developer	Debris, Waste, TSS	Requirements for plan approval
☐ Pesticide and Fertilizer Application			
X General Stormwater Management Info	Contractor, Developer, Homeowner	Debris, Waste, Sediments	Requirements for plan approval
X Pet Waste Management	Residents	Bacteria	Educational medallions at catch basins
☐ Household Hazardous Waste Disposal			
X Recycling	Business, Residents	Trash, Litter	Public Event, Website-Eco-Depot, E-waste
X Illicit Discharge Detection and Elimination	Resident, Businesses	Illicit Connections	Regular Inspections
X Riparian Corridor Protection/Restoration	Residents	Trash	Clean-up Programs
X Infrastructure Maintenance	Contractor, Developer, Residents		O&M Plan
X Trash Management	Residents	Trash	Public Event, Website
☐ Smart Growth			
X Vehicle Washing	Highway Garage	Oil Spill, Hydrocarbons	RIDOT visit to garage for staff education
X Storm Drain Marking	Public, Employees	Sediment	Education medallions at catch basins
☐ Water Conservation			
X Green Infrastructure/Better Site Design/LID	Contractor, Developer	Industrial	Requirements for plan approval
X Wetland Protection	Contractor, Developer, Residents		
☐ Other:			
☐ None			

Additional Measurable Goals and Activities

Please list all stormwater training attended by your staff during the 2022 calendar year and list the name(s) and municipal position of all staff who attended the training.

Trainings:
RI Green Infrastructure Coalition – Stormwater Innovation Expo
Stormwater Innovation Expo

Attending name of staff and title: ___James N'Tow, Assistant Engineer_____

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

SECTION I. OVERALL EVALUATION:

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

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

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

Responsible Party Contact Name & Title: Joseph Duarte P.E., Director of DPW

Phone: 401-728-2400 **Email:** jduarte@cumberlandri.org

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

Public Clean-up Events were held to get the community involved in removing trash from the local areas.
Friends of the Blackstone – Heritage Park August 27
Keep the Blackstone Valley Beautiful – March
Cleaned Jon Street and Chambers Street
Yellow Bag Day – April 2
RI Resource Recovery – Zap Waste --August 27

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

- ☒ Cleanup Events
- ☐ Comments on SWMPP Received
- ☐ Community Hotlines
- ☐ Community Meetings
- ☐ Other (describe)
- ☒ Storm Drain Markings
- ☐ Stakeholder Meetings
- ☐ Volunteer Monitoring
- ☐ Plantings

Additional Measurable Goals and Activities
Coordinated with the following groups and organizations: Blackstone River Coalition, Blackstone Watershed Collaborative, Friends of the Blackstone, RI Resource Recovery (Eco Depot), Keep the Blackstone Valley Beautiful

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

Was the availability of this Annual Report and the Stormwater Management Program Plan (SWMPP) announced via public notice? ☐ YES ☒ NO	If YES, Date of Public Notice:

How was public notified:

- ☐ List-Serve (Enter # of names in List: _____)
- ☐ TV/Radio Notices
- ☐ Website
- ☐ Newspaper Advertising
- ☐ Town Hall posting
- ☐ Other:

Enter Web Page URL: _____

Was public meeting held? ☐ YES ☒ NO

Date: Where:

Summary of public comments received:

Planned responses or changes to the program:

Report will be published on Town Website. Plans to incorporate public education pertaining to pesticides and fertilizer as well as more general stormwater management information in the form of pamphlets and other literature in the DPW office as well as links to videos, articles, etc. on the Town Website. A public meeting is currently being internally discussed.

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. Mark with an asterisk (*) if this person/entity is different from last year.)

Responsible Party Contact Name & Title: Joseph Duarte P.E., Director of Public Works

Phone: 401-728-2400 **Email:** jduarte@cumberlandri.org

Has *this person* received training on Illicit Discharge Detection and Elimination (IDDE)? _____

If yes, when and where? _____

If no, who *is* trained on IDDE? No official training, but the DPW Director, Assistant Engineer, and Sewer Superintendent have field experience

IV.B.3.b.1:	If the outfall map was not completed, use the space below to indicate 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.) **Number of Outfalls Mapped within regulated area:** 276 **Percent Complete:** 100% **If 100% Complete, Provide Date of Completion:** 10/16/2017

Outfalls were GPS-located and mapped during the summer of 2017. Dry weather sampling occurred in September 2017.

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 2022 calendar year.

Outfall tagging was not undertaken. However, each outfall was assigned a name based on location for use in the attribute table of the GIS shapefile.

IV.B.3.b.3	Use the space below to 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, manholes, and pipes are mapped in the Town's stormwater GIS map. A majority of these features were mapped as part of an inventory. The remainder of the features were added to the map to aid in the identification of illicit discharges. New stormwater features will be added to the map as they are constructed.

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:** 7/19/17 If the Ordinance was amended in 2022, please indicate why changes were necessary.

An Illicit Discharge Detection and Elimination (IDDE) ordinance was developed and adopted on July 19, 2017.

IV.B.3.b.5.ii, iii, iv, & v	Use the space below to 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.
As part of SWMPP revisions and Consent Agreement with RIDEM, the Town adopted an IDDE Plan, which is included as Appendix F of the SWMPP.	
IV.B.3.b.5.vi	Use the space below to 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. **Number of Catch Basins and Manholes Inspected for illicit connections/IDDE:** ____312_____ **Percent Complete:** ____13_____ % **Date of Completion:** _____Fall ____
Catch basins and manholes are inspected throughout the town on an annual basis in conjunction with catch basin cleaning. All structures within the catchment areas or priority outfalls have been inspected by CCTV. No illicit connections or discharges have been identified to date.	
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 should 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 sampling 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.** **Number of Outfalls Surveyed Jan-Apr:** ____0____ **Number of Outfalls Surveyed Jul-Oct:** ____0____ **Percent Complete:** ____0_____ % **Date of Completion:** ____N/A_____
All 276 outfalls were surveyed in 2017. Of these, a total of 21 outfalls were passing flow and were sampled in September of 2017. Samples were collected and sent to ESS Laboratory for analysis. Sample results were sent to RIDEM on November 6, 2017.	
IV.B.3.b.7	Use the space below to 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.
No illicit discharges have been identified.	
IV.B.3.b.8	Use the space below to 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.

No illicit discharges have been identified.	
IV.B.3.b.9	Use the space below to 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.
DPW/Engineering and Sewer Department are the responsible parties to implement and notify residents, businesses, and public of illegal discharges when spotted or reported. If identified, the connection is disconnected and corrected by DPW guidance	
Additional Measurable Goals and Activities Comments pertaining to cleaning catch basins and pile protection at the facility located on Pascale has been addressed. Comments pertaining to spill kits and used batteries at the facility located on Kent Street have been addressed. DPW staff was trained by the Director on IDDE policies and procedures.	

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

# of Illicit Discharges Identified in 2022: 0	# of Illicit Discharges Tracked in 2022: 0
# of Illicit Discharges Eliminated in 2022: 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): 10	Total # of Illicit Discharges remaining unresolved at the end of 2022: 0
Summary of Enforcement Actions: Over the years, there have been approximately 10 illicit discharges identified and resolved with the help of RIDEM.	

Total # of Outfalls identified and mapped to date: ___276__

Total # of Interconnections with other MS4s identified and mapped to date: ___0__

Extent to which the MS4 system has been mapped (% complete): __100%___

Identify how the following components of the MS4 system have been mapped:	Not mapped	GIS	Auto CAD	Paper	Other (please specify)
Catch basins	☐	☒	☐	☐	☐
Manholes	☐	☒	☐	☐	☐
Pipes, ditches, and other conduits	☐	☒	☐	☐	☐
Flow direction and connectivity	☐	☒	☐	☐	☐
Interconnections with other regulated MS4s	☒	☐	☐	☐	☐
MS4-owned stormwater controls (BMPs, not including catch basins or manholes)	☐	☒	☐	☐	☐
Delineation of outfall catchment/drainage areas	☐	☒	☐	☐	☐

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

Interconnection:	Date Found:	Location:	Name of MS4:	Originating Source:	Planned and Coordinated Efforts and Activities with Connectee:
RIDOT Interconnections		State Roads			

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

SECTION I. OVERALL EVALUATION:

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

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

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

Responsible Party Contact Name & Title: Joseph Duarte P.E., Director of Public Works

Phone: 401-728-2400 **Email:** jduarte@cumberlandri.org

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:** April 2005 If the Ordinance was amended in 2022, please indicate why changes were necessary and provide references to the amended portions of the local codes/ordinances.

Sediment and Erosion Control and Control of Other Wastes at Construction Sites are referenced in the following town documents: Town ordinance: Chapter 20 Land Disturbing Activities; Town ordinance: Appendix A: Land Development & Subdivision Regulations. All subdivision or other construction project submittals are reviewed relative to the RI Stormwater Design and Installation Standards.

IV.B.4.b.6	Use the space below to describe actions taken as a result of receipt and consideration of information submitted by the public.

When residents call to report an erosion issue, the Public Works Director or his designee will review the matter in the field and recommend corrective actions. During site visits or inspections, erosion control measures are inspected.

IV.B.4.b.8	Use the space below to describe activities and actions taken as a result of referring to the State non-compliant construction site operators. The operator may rely on the Department for assistance in enforcing the provisions of the RIPDES General Permit for Stormwater Discharges Associated with Construction Activity to the MS4 if the operator of the construction site fails to comply with the local and State requirements of the permit and the non-compliance results or has the potential to result in significant adverse environmental impacts.

The Town works with residents, abutters, and developers to fix any issues that occur including improper stormwater controls. Non-compliance results in the issuing of a Cease-and-Desist letter, and no Certificate of Occupancies are issued until erosion controls measures are restored. If non-compliant continues, the issue is reported to RIDEM.

Additional Measurable Goals and Activities

SECTION II. A - Plan and SWPPP/SESC Plan Reviews during Year 19 (2022), 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, not reviewed by other State programs, must be conducted by adequately trained personnel and incorporate consideration of potential water quality impacts.

# of Construction Applications Received: 31
# of Construction Reviews Completed: 31
# of Permits/Authorizations Issued: 31
Summary of Reviews and Findings, include an evaluation of the effectiveness of the program. The Department of Public Works is responsible for the review and approval of construction applications and measures associated with stormwater during plan reviews. Lots over an acre required RIPDES, SWPPP. There is a Technical Review Committee and Planning Board for approval. Site and Erosion Control Plans are required for every lot and review by Engineering Department. Identify person(s) /Department and/or parties responsible for the implementation of this requirement: Joseph C. Duarte, P.E. Director of Public Works James N'Tow Assistant Engineer DPW/Engineering and Building Department Identify the type and date of training this person(s)/parties has/have received to be considered "adequately trained": NPDES Stormwater Center – James N'Tow – Certified Stormwater, Erosion Inspector; Certified Construction Inspector

SECTION II.B - Erosion and Sediment Control Inspections during Year 19 (2022), 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.) Inspections must be conducted by adequately trained personnel.

# of Active Construction Projects: 3	
# of Site Inspections: 62-100+	# of Complaints Received: 12
# of Violations Issued: 0, They were fixed as soon as the contractor was informed	# of Unresolved Violations Referred to RIDEM: 0
Summary of Enforcement Actions, include an evaluation of the effectiveness of the program. When erosion control measures are reported or observed firsthand to have been compromised and are not sufficient, the responsible party (Developer/Contractor) is notified by the DPW and/or the Building Inspector. Typically, corrective measures are made by the Contractor to restore sufficient control and containment through first verbal action. If sediment flows are observed being conveyed to a catch basin, the Developer (or Contractor) is directed to clean the affected catch basins. Whereupon corrective measures are not taken, or the drainage structures are not cleaned as directed, Certificates of Occupancies or future building permits are not processed and approved until the erosion control issues are resolved with the Developer. This applies also to residential construction within larger residential subdivision projects. Identify person(s) /Department and/or parties responsible for the implementation of this requirement: Janes N'Tow- DPW/Engineering; Kevin Joyce – Building Inspector (Engineering/DPW and Building Department) Identify the type and date of training this person(s)/parties has/have received to be considered "adequately trained": NPDES Stormwater Center – Certified Stormwater, Erosion Inspector; Certified Construction Inspector E390, C141 5562	

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. Mark with an asterisk (*) if this person/entity is different from last year.)

Responsible Party Contact Name & Title: Joseph Duarte P.E., Director of Public Works

Phone: 401-728-2400 **Email:** jduarte@cumberlandri.org

IV.B.5.b.5	Use the space below to describe activities and actions taken to coordinate with existing State programs requiring post-construction stormwater management.
All construction projects are required to comply with RIDEM standards. The DPW performs thorough inspections to confirm this compliance.	
IV.B.5.b.6	Use the space below to describe actions taken for the referral to RIDEM of new discharges of stormwater associated with industrial activity as defined in §1.4(A)(111) in the *Regulations for the Rhode Island Pollutant Discharge Elimination System* (RIPDES Regulations) (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).
The DPW will not approve any plan for construction without approved RIDEM permits for applicable projects.	
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:** April 2005 If the Ordinance was amended in 2022, 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.
Town Land Development and Subdivision Regulations on Soil Erosion and Sedimentation Ordinance reference the RIDEM stormwater design and installation manual. All subdivision projects are required to have a post-construction stormwater management control plan.	
IV.B.5.b.12	Use the space below to 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.
The DPW has developed an inventory of all town-owned and privately-owned BMPs by referencing the GIS map of all MS4 structures in town. This inventory is included in the SWMPP as Appendix Inspections were completed of Town owned BMPs by the DPW July 12. Inspections were completed of privately owned BMPs by the DPW July 29.	

Additional Measurable Goals and Activities Currently developing documentation for construction inspections and inspection checklist.

SECTION II.A. - Plan and SWPPP/SWMP Reviews during Year 19 (2022), 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). Plan reviews must be conducted by adequately trained personnel.

# of Post-Construction Applications Received: ____2 (As-Builts)_____ # of Post-Construction Reviews Completed: ____2 (As-Builts Review)_____ # of Permits/Authorizations Issued: ____N/A_____
Summary of Reviews and Findings, include an evaluation of the effectiveness of the program. There is no post-construction application process administered by the Town DPW. Reviews of plans relative to the post-construction BMPs, as approved on the plans, are conducted during the interim construction inspections that are preformed periodically during construction as various components of the drainage system, including BMPs, are completed. Post construction stormwater controls are also reviewed during preliminary and final plans development submitted to planning department. Identify person(s) /Department and/or parties responsible for the implementation of this requirement: Joseph C Duarte – Director of Public Works, James N'Tow – DPW/Engineering Department, Glenn Modica – Town Planner Identify the type and date of training this person(s)/parties has/have received to be considered "adequately trained":

SECTION II.B. - Post Construction Inspections during Year 19 (2022), 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). Inspections must be conducted by adequately trained personnel.

# of Active Construction Projects: 3	# of Construction Projects Completed: 0
# of Site Inspections for proper Installation of BMPs: During initial installation and every time we visit the site during other	# of Complaints Received: 3
# of Violations Issued: 0	# of Unresolved Violations Referred to RIDEM: 0
Summary of Enforcement Actions: Similar to enforcement actions for erosion control measures, Building Permits and Certificates of Occupancy are delayed in connection with the affected site or another site associated with a given developer. More frequent inspections are conducted by DPW to ensure compliance. Staff work with developers on BMP managements and construction/maintenance in accordance with approved plans Identify person(s) /Department and/or parties responsible for the implementation of this requirement: Joseped C Duarte, P.E. (DPW Director), James N'Tow (DPW/Assistant Engineer); Kevin Joyce (Building Inspector). Identify the type and date of training this person(s)/parties has/have received to be considered "adequately trained": Stormwater Management – National Stormwater Center NPDES Certified, Erosion, Stormwater Construction Certificate.	

SECTION II.C. - Post Construction Inspections during Year 19 (2022), 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 for proper O&M of BMPs: 2	# 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. Maintenance in accordance with approved plans and O&M menu. Identify person(s) /Department and/or parties responsible for the implementation of this requirement: Joseph C Duarte – Director of Public Worjs, James N'Tow – DPW/Engineering Department	

Strategies for requiring the use of non-structural Low Impact Development (LID) site design practices and techniques into stormwater management designs for new and redevelopment projects, check all that apply in your municipality/MS4:

☐ None
☐ Ordinances or by-laws requiring LID standards (e.g. reduced road widths, % conservation land, etc.)
☐ Ordinances or by-laws requiring LID design at conceptual review (i.e., Pre-application and/or Master Plan) stages for municipal review prior to plans being engineered.
☐ Ordinances or by-laws requiring LID standards only in impaired waterbody drainage areas
☒ Local development regulations requiring use of LID to the maximum extent practicable
☐ LID Guidance available in written form
☒ LID Guidance available at pre-application meetings
☐ Other strategies to ensure incorporation of LID to the maximum extent practicable, describe:

_____

_____

Person(s)/Department responsible for reviewing submissions for LID:

Planning Department, Planning Board

Person(s)/Department/Board responsible for approving submissions for LID at Preliminary and/or Final Review, if applicable:

Planning Department, Planning Board

Are you aware of the Municipal LID Self-Assessment that was introduced by the DEM and RI NEMO in 2019 and finalized and distributed in March 2020?

☒ Yes ☐ No

A final version of the Municipal LID Self-Assessment is available on the DEM's website:
http://www.dem.ri.gov/programs/benviron/water/permits/ripdes/stwater/t4guide/lid-checklist-primer.pdf

Additional guidance is also available:

http://www.dem.ri.gov/programs/benviron/water/permits/ripdes/stwater/t4guide/lid-assessment-fs.pdf

http://www.dem.ri.gov/programs/benviron/water/permits/ripdes/stwater/pdfs/lidfactsheet.pdf

http://www.dem.ri.gov/programs/benviron/water/permits/ripdes/stwater/t4guide/lidplan.pdf

Did your community complete the Municipal LID Self-Assessment? ☐ Yes ☒ No

If yes and it was completed in 2022, please provide a copy as an attachment to this Annual Report, if you have not already submitted it.

If no, does your community plan to complete it?

☒ Yes ☐ No

If No, why not? _____

_____

Strategies being implemented to ensure long-term Operation and Maintenance (O&M) of privately-owned structural stormwater BMPs, check all that apply in your municipality/MS4:

- ☐ None
- ☒ Ordinances or by-laws identify BMP inspection responsible party
- ☒ Ordinances or by-laws identify BMP maintenance responsible party
- ☐ Ordinances or by-laws identify BMP inspections and maintenance requirements
- ☐ Ordinances or by-laws provide for easements or covenants for inspections and maintenance
- ☐ Ordinances or by-laws require for every constructed BMP an inspections and maintenance agreement
- ☐ Ordinances or by-laws contain requirements for documenting and detailing inspections
- ☐ Ordinances or by-laws contain requirements for documenting and detailing maintenance
- ☐ Ordinances or by-laws contain authority to enforce for lack of maintenance or BMP failure
- ☐ The MS4 is responsible for inspections of all privately-owned BMPs
- ☐ The MS4 is responsible for maintenance of all privately-owned BMPs
- ☐ Establishment of escrow account for use in case of failure of BMP
- ☐ Other strategies to ensure long-term O&M of privately-owned BMPs, describe:

_____

_____

Does your municipality/MS4 require the use BMPs Operations and Maintenance Agreements? ☐ YES ☒ NO

If YES, please indicate if the Operations and Maintenance Agreements include the following:

a. Party responsible for the long-term O&M of permanent stormwater management BMPs	☐ YES ☐ NO
b. A description of the permanent stormwater BMPs that will be operated and maintained	☐ YES ☐ NO
c. The location of the permanent stormwater BMPs that will be operated and maintained	☐ YES ☐ NO
d. A timeframe for routine and emergency inspections and maintenance of all permanent stormwater management BMPs	☐ YES ☐ NO
e. A requirement that all inspections and maintenance activities are documented	☐ YES ☐ NO
f. Annual submission of inspection/maintenance certification/documentation to the MS4	☐ YES ☐ NO
g. Stormwater management easement for access for inspections and maintenance or the preservation of stormwater runoff conveyance, infiltration, and detention areas and other stormwater controls and BMPs by persons other than the property owner	☐ YES ☐ NO
h. Steps available for addressing a failure to maintain the stormwater controls and BMPs	☐ YES ☐ NO

Please elaborate, if appropriate:

_____

_____

Does your municipality/MS4 keep an inventory of privately-owned BMPs?	☒ YES ☐ NO

<u>For privately-owned structural BMPs</u>, does your municipality/MS4 have a system for tracking:

a. Agreements and arrangements to ensure O&M of BMPs?	☐ YES ☒ NO
b. Inspections?	☐ YES ☒ NO
c. Maintenance and schedules?	☐ YES ☒ NO
d. Complaints?	☐ YES ☒ NO
e. Non-Compliance?	☐ YES ☒ NO
f. Enforcement actions?	☐ YES ☒ NO

Do you use an electronic tool (e.g. GIS, database, spreadsheet) to track post-construction BMPs, inspections, and maintenance? ☐ YES ☒ NO

If yes, please elaborate on which tools are used:

_____

_____

NOTE: BMP maintenance tasks can be a great way to involve and educate the community to their purpose and function. BMPs have the potential to create a highly interactive environment for community members and volunteers to get involved.

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

SECTION I. OVERALL EVALUATION:

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

Include information relevant to the implementation of each measurable goal, such as activities and practices used to address on-going requirements, and personnel responsible. Discuss activities to be carried out during the next reporting cycle. If addressing TMDL requirements, please indicate rationale for the activities chosen to address the pollutant of concern.

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

Responsible Party Contact Name & Title: Joseph Duarte P.E., Director of Public Works

Phone: 401-728-2400 **Email:** jduarte@cumberlandri.org

IV.B.6.b.1.i	Use the space below to describe activities and actions taken to identify structural BMPs (these include but are not limited to: retention/detention basins, vegetated treatment, infiltration and pre-treatment controls, etc.) 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. **Do you have an inventory of MS4-owned/operated BMPs?** ☒ YES ☐ NO **Total # of MS4-owned/operated BMPs** (does not include CBs or MHs): 6 (5 Basins, 1 Sand Filter)
Outfalls, catch basins, manholes, and pipes are mapped in the Town's MS4 GIS map. BMPs including detention ponds have been inventoried and are included in the SWMPP as Appendix J.	
IV.B.6.b.1.ii	Use the space below to describe activities and actions taken for inspections, cleaning and repair of detention/retention basins, storm sewers and catch basins with appropriate scheduling given intensity and type of use in the catchment area. Evaluate appropriateness and effectiveness of this requirement. **# of MS4-owned/operated BMPs inspected in 2022**: 6 **# of MS4-owned/operated BMPs maintained/cleaned in 2022**: 2 **# of MS4-owned/operated BMPs repaired in 2022**: 0 Does your municipality/MS4 have a system for tracking: a. Inspection schedules of MS4-owned BMPs? ☒ YES ☐ NO b. Maintenance/cleaning schedules of MS4-owned BMPs? ☒ YES ☐ NO c. Repairs, corrective actions needed? ☒ YES ☐ NO d. Complaints? ☒ YES ☐ NO Do you use an electronic tool (e.g. GIS, database, spreadsheet) to track stormwater BMPs, inspections, and maintenance? ☐ YES ☒ NO

IV.B.6.b.1.iii	Use the space below to describe activities and actions taken to support the requirement of yearly inspection and cleaning of all catch basins (a lesser frequency of inspection based on at least two consecutive years of operational data indicating the system does not require annual cleaning might be acceptable). Evaluate appropriateness and effectiveness of this requirement. **Total # of CBs within regulated area (including SRPW and TMDL areas):** 2400 **# of CBs inspected in 2022:** 311 **% of Total inspected:** 13% **# of CBs cleaned in 2022:** 292 **% of Total cleaned:** 12% If determined, approximate quantity of sand/debris collected by cleaning of catch basins: 465 Tons Location used for the disposal of debris: RI Resource Recovery Land Fill Do you use an electronic tool (e.g. GIS, database, spreadsheet) to track the inspections and cleaning of catch basins? ☐ YES ☒ NO
Catch basins and manholes are inspected and cleaned on an annual basis. Drainage structures or appurtenances are repaired/replaced as needed.	
IV.B.6.b.1.iv	Use the space below to describe activities and actions taken to minimize erosion of road shoulders and roadside ditches by requiring stabilization of those areas. Evaluate appropriateness and effectiveness of this requirement.
The DPW constructs berms where needed based on general inspection and resident complaints.	
IV.B.6.b.1.v	Use the space below to describe activities and actions taken to identify and report known discharges causing scouring at outfall pipes or outfalls with excessive sedimentation, for the Department to determine on a case-by-case basis if the scouring or sedimentation is a significant and continuous source of sediments. Evaluate appropriateness and effectiveness of this requirement.
Outfall issues are typically reported by residents' complaints of flooding during storm events. These areas are addressed by the DPW on a case-by-case basis.	
IV.B.6.b.1.vi	Use the space below to indicate if all streets and roads within the urbanized area were swept annually and if not indicate reason(s). The operator is required to sweep all streets and roads within the regulated area annually unless a lesser frequency can be justified based on at least two consecutive years of data indicating the street or road does not require annual sweeping. Evaluate appropriateness and effectiveness of this requirement. **Total roadway miles within regulated area (including SRPW and TMDL areas):** 168 +- **Roadway miles that were swept in 2022:** 168+- **% of Total swept:** 100% Type of sweeper used: ☐ Rotary brush street sweeper ☒ Vacuum street sweeper If determined, approximate quantity of sand/debris collected by sweeping of streets and roads: 193 Tons Location used for the disposal of debris: RI Resource Recovery Landfill Do you use an electronic tool (e.g. GIS, database, spreadsheet) to track the annual sweeping of streets and roads? ☐ YES ☒ NO

IV.B.6.b.1.vii	Use the space below to describe activities and actions taken for controls to reduce floatables and other pollutants from the MS4. Evaluate appropriateness and effectiveness of this requirement.
The DPW has installed signs to limit pet waste being disposed of in catch basins and dumping in the vicinity of outfalls.	
IV.B.6.b.1.viii	Use the space below to describe the method for disposal of waste removed from MS4s and waste from other municipal operations, including accumulated sediments, floatables and other debris and methods for record-keeping and tracking of this information. Do you have a system for tracking actions to remove and dispose of waste? ☐ YES ☒ NO
IV.B.6.b.2	Use the space below to describe any operations under the MS4's legal control, including activities and facilities, that have the potential to introduce pollutants into stormwater runoff, such as pesticide/herbicide/fertilizer application, chemical and waste handling and storage, vehicle fueling, vehicle washing, vehicle maintenance, sand/salt storage, snow disposal, facilities such as public works facilities with maintenance and storage yards, waste transfer stations, municipal wastewater and water treatment facilities, and municipal parking owned and operated by the MS4. Does your MS4 have any salt piles, or piles containing salt, used for deicing? ☒ YES ☐ NO If yes: Are these piles covered to prevent exposure to rain, snow, snowmelt and/or runoff? ☒ YES ☐ NO If yes, check the type of cover used: ☒ Weatherproof permanent structure/shelter ☐ A temporary, secured, durable, waterproof covering (e.g., tarpaulin, polyethylene, polyurethane) Are these piles located on impermeable surfaces? ☒ YES ☐ NO
IV.B.6.b.5	For all facilities with discharges of stormwater associated with industrial activity, use the space below to describe and indicate activities and corrective actions for the evaluation of compliance. This evaluation must include visual quarterly monitoring; routine visual inspections of designated equipment, processes, and material handling areas for evidence of, or the potential for, pollutants entering the drainage system or point source discharges to 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 DPW is responsible for conducting inspections of sites to confirm compliance with all state and local requirements. The Highway Department currently inspects town-owned BMPs to detect any potential illicit discharges or connections to the MS4. As described in the SWMPP, the Town is currently further developing reporting processes.	

IV.B.6.b.6	Use the space below to describe all employee training programs used to prevent and reduce stormwater pollution from activities such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and stormwater system maintenance for the past calendar year, including staff municipal participation in trainings offered by other parties (e.g. SNEP, EPA) and all in-house training conducted by municipality. Evaluate appropriateness and effectiveness of this requirement. How many stormwater management trainings have been provided to *municipal employees* during this reporting period? ___3_____ What was the date of the training? _05_/_18_/_2022_ Training Topic(s): _Green Infrastructure: Ecosystem Benefits and Applications_ How many *municipal employees* attended this training? __1__ What was the date of the training? _05_/_25_/_2022_ Training Topic(s): _Green Infrastructure and the MS4 Permit: How Massachusetts Communities Manage Stormwater with Nature-Based Solutions_ How many *municipal employees* attended this training? __1__ What was the date of the training? _09_/_28_/_2022_ Training Topic(s): _Dissolved Phosphorus and Green Infrastructure Fundamentals, Challenges, and Opportunities_ How many *municipal employees* attended this training? __1__ What percent of *municipal employees* in relevant positions and departments received stormwater management training? ___25___% Have *municipal employees* that are responsible for inspecting or cleaning catch basins also been trained to detect and report illicit connections or non-stormwater discharges? ☒ YES ☐ NO
25% of employees are currently being regularly trained. Other employees in relevant positions are intended to be trained in the future when opportunities arise. Those relevant employees will then share what they learned with other employees.	
IV.B.6.b.7	Use the space below to describe actions taken to ensure that new flow management projects undertaken by the operator are assessed for potential water quality impacts and existing projects are assessed for incorporation of additional water quality protection devices or practices. Evaluate appropriateness and effectiveness of this requirement.
All existing and proposed residential, commercial, or institutional construction projects are reviewed relative to the proposed drainage systems and stormwater management. The plans are prepared by registered civil engineers who address applicable water quality measures and practices. Any supplemental measures are discussed during the planning and review process for the respective projects prior to and approval construction.	
Additional Measurable Goals and Activities	

SECTION II.A - Structural BMPs (Part IV.B.6.b.1.i) These include but are not limited to: retention/detention basins, vegetated treatment, infiltration and pre-treatment controls, etc.

BMP ID:	Location:	Name of BMP Owner/Operator:	Description of BMP:	Frequency of Inspection:
Please refer to Appendix J				

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:
N/A (addressed as needed)				

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).

Old Reservoir Road - Galleys. Galleys are a form of infiltration practice using precast concrete structures, crushed stone, and perforated piping to handle stormwater. Old Reservoir Road currently experiences flooding and this practice will help alleviate flooding, incorporate water quality treatment, be low impact in footprint, and promotes infiltration and recharge.

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).

N/A

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.

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

Responsible Party Contact Name & Title: Joseph Duarte P.E., Director of Public Works

Phone: 401-728-2400 **Email:** jduarte@cumberlandri.org

LIST OF IMPAIRED WATERS:			
Impaired Water Body: Blackstone River WBID: RI0001003R-01A	Pollutants Causing Impairments: Cadmium, Iron, Non-native Aquatic Plans, Mercury in Fish Tissue, PCBS in Fish Tissue, Enterococcus, Fecal Coliform	Has TMDL been completed? Has MS4 been notified of TMDL requirements? Has MS4 developed a Scope of Work or TMDL Implementation Plan?	☐ YES ☒ NO ☐ YES ☒ NO ☐ YES ☒ NO
Impaired Water Body: Valley Falls Pond WBID: RI0001003L-02	Pollutants Causing Impairments: Dissolved Oxygen, Lead, Non-native Aquatic Plants, Total Phosphorus, Fecal Coliform	Has TMDL been completed? Has MS4 been notified of TMDL requirements? Has MS4 developed a Scope of Work or TMDL Implementation Plan?	☐ YES ☒ NO ☐ YES ☒ NO ☐ YES ☒ NO
Impaired Water Body: Scott Brooks & Tribs WBID: I0001003R-05	Pollutants Causing Impairments: Enterococcus	Has TMDL been completed? Has MS4 been notified of TMDL requirements? Has MS4 developed a Scope of Work or TMDL Implementation Plan?	☐ YES ☒ NO ☐ YES ☒ NO ☐ YES ☒ NO
Impaired Water Body: West Sneech Brook & Tribs WBID: RI0001003R-06	Pollutants Causing Impairments: Enterococcus	Has TMDL been completed? Has MS4 been notified of TMDL requirements? Has MS4 developed a Scope of Work or TMDL Implementation Plan?	☐ YES ☒ NO ☐ YES ☒ NO ☐ YES ☒ NO
Impaired Water Body: Monastery Brook & Tribs WBID: RI0001003R-07	Pollutants Causing Impairments: Enterococcus	Has TMDL been completed? Has MS4 been notified of TMDL requirements? Has MS4 developed a Scope of Work or TMDL Implementation Plan?	☐ YES ☒ NO ☐ YES ☒ NO ☐ YES ☒ NO
Impaired Water Body: Abbott Run Brook North & Tribs WBID: RI0001006R-01A	Pollutants Causing Impairments: Cadmium, Iron	Has TMDL been completed? Has MS4 been notified of TMDL requirements? Has MS4 developed a Scope of Work or TMDL Implementation Plan?	☐ YES ☒ NO ☐ YES ☒ NO ☐ YES ☒ NO
Impaired Water Body: Abbott Run Brook South & Tribs WBID: RI0001006R-01B	Pollutants Causing Impairments: Cadmium, Enterococcus	Has TMDL been completed? Has MS4 been notified of TMDL requirements? Has MS4 developed a Scope of Work or TMDL Implementation Plan?	☐ YES ☒ NO ☐ YES ☒ NO ☐ YES ☒ NO
Impaired Water Body: Indian Brook WBID: RI0001006R-05	Pollutants Causing Impairments: Iron	Has TMDL been completed? Has MS4 been notified of TMDL requirements? Has MS4 developed a Scope of Work or TMDL Implementation Plan?	☐ YES ☒ NO ☐ YES ☒ NO ☐ YES ☒ NO
Impaired Water Body: Burnt Swamp Brook & Tribs WBID: RI0001006R-06	Pollutants Causing Impairments: Iron, Enterococcus	Has TMDL been completed? Has MS4 been notified of TMDL requirements? Has MS4 developed a Scope of Work or TMDL Implementation Plan?	☐ YES ☒ NO ☐ YES ☒ NO ☐ YES ☒ NO

TOTAL MAXIMUM DAILY LOAD (TMDL) OR OTHER WATER QUALITY DETERMINATION REQUIREMENTS cont'd

Impaired Water Body: Millers River WBID: RI0001006R-08	Pollutants Causing Impairments: Enterococcus	Has TMDL been completed? Has MS4 been notified of TMDL requirements? Has MS4 developed a Scope of Work or TMDL Implementation Plan?	☐ YES ☒ NO ☐ YES ☒ NO ☐ YES ☒ NO
Impaired Water Body: Sylvyns Brook WBID: RI0001006R-09	Pollutants Causing Impairments: Iron	Has TMDL been completed? Has MS4 been notified of TMDL requirements? Has MS4 developed a Scope of Work or TMDL Implementation Plan?	☐ YES ☒ NO ☐ YES ☒ NO ☐ YES ☒ NO

What kind of public education and outreach strategy does the MS4 implement to target each pollutant of concern? (e.g., signage on installed stormwater controls, resources on website, pamphlets about litter, pet waste, grass clippings, fertilizer use, etc.)

Pollutant of Concern:	Strategy:	Target Audience:

Has the MS4 installed stormwater BMPs or required the installation of stormwater BMPs on private property to address impairments? ☐ YES ☒ NO

If yes, indicate the name of the impaired water body associated with the stormwater control, type of stormwater control, date installed, ownership, and who is responsible for maintenance:

Impaired water body	Type of Stormwater Control:	Date Installed:	☐ Municipally Owned ☐ Privately Owned	Who maintains it?
[add as necessary]				

Additional enhanced minimum measures used to address water quality issues (e.g., increased street sweeping or catch basin cleaning in areas with high pollutant loading, installation of floatable traps/screens, etc.):

SPECIAL RESOURCE PROTECTION WATERS (SRPWs)

SECTION I. In accordance with Title 250 RICR-150-10-1 ("RIPDES Regulations") §1.32(A)(5)(a)(7), 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 with RIPDES Regulations §1.32(G)(5)(c). A list of SRPWs can be found in Title 250-RICR-150-05-1 ("Water Quality Regulations") §1.28 at this link:
https://rules.sos.ri.gov/regulations/part/250-150-05-1
The State of Rhode Island 2018-2020 303(d) Impaired Waters Report can be found here:
http://www.dem.ri.gov/programs/benviron/water/quality/pdf/iwr1820.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.

Several water bodies in Cumberland have been identified by RIDEM as "special resource protection waters." These water bodies are currently of high quality but are at risk from a variety of pollution sources, including storm water. The DPW will pay particular attention to MS4 structures in the vicinity of these water bodies in order to protect them. These water bodies (as they appear in the 2016-2036 Cumberland Comprehensive Plan) are as follows:

- Reservoirs: Diamond Hill and Pawtucket (Arnold Mills)
- Ponds: Happy Hallow, Robin Hollow, Sneech, and Valley Falls
- Brooks: Abbott Run, Ash Swamp Lonsdale Marsh Complex, Crookfall, East Sneech, and Longbrook

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 Jennifer Stout of the Rhode Island Department of Environmental Management (RIDEM), Office of Water Resources, Permitting Section at (401) 222-4700 ext. 2777726.

The Annual Report must be submitted to:

RIDEM Office of Water Resources
RIPDES Permitting Program
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 (as defined in Title 250 RICR-150-10-1 ("RIPDES Regulations") §§1.3 and 1.12). 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 Regulations §§1.3 and 1.12). 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 Regulations §1.12);

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 2022 calendar year. Please type or print. If additional space is needed, modify as necessary. Please submit attachments to the appropriate minimum control measure following the format provided.
A Permit ID # has been provided, which refers to the part of the permit where you can find a listing or description of the required measurable goal.

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

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

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

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

SECTION II- ADDITIONAL ANNUAL REPORT REQUIREMENTS

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

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

Minimum Control Measure #3: Section II.A:
Provide the number of illicit discharges identified in 2022, number of illicit discharges tracked in 2022, number of illicit discharges eliminated in 2022, 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 2022. 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 19 (2022) 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 §1.28 of Title 250-RICR-150-05-1 ("Water Quality Regulations") at this link:
https://rules.sos.ri.gov/regulations/part/250-150-05-1
or
an impaired water body including water bodies with no approved TMDL as listed in the *State of Rhode Island 2018-2020 303(d) Impaired Waters Report (February 2021)* at this link:
http://www.dem.ri.gov/programs/benviron/water/quality/pdf/iwr1820.pdf

In accordance with the RIPDES Regulations §1.32(A)(5)(a)(7), MS4s were required to incorporate any discharges to these waterbodies into their MS4 Program on or after March 10, 2008 unless a waiver has been granted in accordance with RIPDES Regulations §1.32(G)(5)(c).

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.

Detention basins:

Location:		**Ownership:**
End of Sharon Dr		Private
Behind 41 Millers Brook Dr		Private
Behind 54 Millers Brook Dr		Private
Behind 157 Lonsdale Farm Rd		Private
End of Armas Ct		Private
Behind 15 Geddes Farm Ln		Private
Behind 63 Silo Dr		Private
Behind 2 Jenna Way		Private
Tower Flagg Drive (near 96 Abbott Run Valley Rd)		Private
Behind 90 Fairhaven Rd		Private
Behind 67 Lonsdale Pine Rd		Private
End of Merrill Ln		Private
Across the street from 21 Bourque Rd		Private
Behind 14 Longbrook Dr		Private
2 basins behind 15 Doire Rd		Private
End of Cathedral Ct		Private
End of Sierra Ct		Private
Behind 30 Jason Grant Dr		Private
Along Vadnay Ln		Private
End of Stephens Way		Private
6 Berm Dr	(River Run Development)	Private
High Ridge Rd (High Ridge Estates – Under Construction)		Private
Tuscan Ct (The Vineyards – Under Construction)		Private
America St (Highland Estates – Under Construction)		Private
110 Fairhaven Rd		Private
Katie Ln		Private
51 Billington Circle		Private
34 Clover Ct		Private
0 Peggy Dr Plat (48 Lot 22)	Sand Filter A	Private
20 Peggy Dr	Sand Filter B	Town
2 Fieldside Dr		Town
67 Lonesome Pine Rd		Town
Highland Corporate Park (Three Basins)		Town