



RIPDES SMALL MS4 ANNUAL REPORT

GENERAL INFORMATION PAGE

RIPDES PERMIT #RIR040009

REPORTING PERIOD: ☒ **YEAR 17**
Jan 2020-Dec 2020

OPERATOR OF MS4

Name: City of Newport, Department of Utilities, Water Pollution Control Division (WPC)			
Mailing Address: 70 Halsey Street			
City: Newport	State: RI	Zip: 02840	Phone: (401) 845-5600
Contact Person: Julia A. Forgue, P.E.	Title: Director of Utilities		
	Email: jforgue@cityofnewport.com		
Legal status (circle one): PRI - Private <u>PUB - Public</u> 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 J. Nicholson, Jr., Esq.

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

Responsible Party Contact Name & Title: Giovanni Amato, Superintendent of Water Pollution Control

Phone: 401-845-5600

Email: gamato@CityofNewport.com

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.
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The Department of Utilities maintains educational information concerning storm drainage on the City's website including applicable reports, links to informational websites, and calendars of upcoming meetings and activities. A brochure entitled "Make your home the Solution to Stormwater Pollution" is available and handed out to residents. Topics include Vehicle/Garage practices, Lawn/garden usage, Home Repair/Improvements, Pet Care, Swimming Pool Maintenance and Septic System Use and Maintenance. The City has contracted for ongoing development of printed material for distribution to residents, businesses, commercial landscapers, and schools that identifies the impact phosphorus has on the environment and Almy Pond Watershed specifically, along with development of graphic, tabular, and illustrative material for the City's website. The City of Newport Clean City program is administered by the Department of Public Services and provides information on household hazardous waste disposal and recycling, in coordination with Rhode Island Resource Recovery Corp.'s Eco-Depot program.

The City initiated a drainage study for two low-lying areas in the City which experience periodic, tidally influenced flooding. Three public meetings were held and Green Infrastructure was discussed as part of a menu of mitigation options in 2015. This study and input from the public lead the City to developing drainage improvement project in 2016 for the Wellington Avenue and Bridge Street Watershed areas. Wellington Avenue Watershed drainage improvement project is currently at the final design and engineering phase for construction bid documents, which is anticipated to be completed in spring of 2021. Bridge Street Watershed drainage improvement project's final design and engineering has been completed in 2018, which includes new tide gate vault structure with a trash rack, added inline to the existing 48 inch storm drain pipe which ultimately discharges/outfalls through the sea wall of Storer Park to Newport Harbor. The City along with Wright / Peirce presented the project at a public meeting with the neighborhood on June 25, 2018. The City also hosted another public meeting with the neighborhood in early 2019. Construction of the new Bridge Street/Storer Park Tide Gate Vault was completed at the end of summer 2019. Routine inspections and preventative maintenance was performed by WPC in 2020.

In 2016 the City and PARE Corporation held a Public meeting / workshop regarding the Almy Pond TMDL Management Plan Green Infrastructure Pilot testing project. Construction was completed in December 2017. Final sampling report was completed by PARE Corporation in May of 2018, which demonstrates improvement to the Almy Pond Watershed. Overall, reported phosphorus concentrations in stormwater appear to be lower in the 2018 sampling event when compared to the 2013 and 2016 sampling events, which attributes to Almy Pond TMDL Management Plan Green Infrastructure Pilot testing project to a higher awareness of phosphorus in the watershed. It should also be noted that the City's outreach and education program may be facilitating phosphorus reduction in the watershed. The City of Newport WPC replaced all 28 filter media cartridges in the Perk Filter Unit at the end of Andrew Street in October 2018. Routine inspections and preventative maintenance was performed by WPC in 2020.

The City has obtained grant approval from RIDEM for a demonstration/pilot project to install Green Infrastructure on Hillside Avenue in Newport. The project was completed in summer of 2018. A public educational sign plaque was part of this project installed on Hillside Avenue, with graphics and descriptions demonstrating the water quality benefits from the Green Infrastructure BMPs located at this project. Routine inspections and preventative maintenance has been performed by WPC in 2019. Routine inspections and preventative maintenance was performed by WPC in 2020.

The City has obtained grant approval from RIDEM for a Stetco catch basin cleaner / jetter truck, which allows the City to increase the cleaning frequency of the catch basins and storm drains. The Stetco truck was purchased in fall of 2018, arrived to the City in January 2019 and currently in use by WPC.

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.
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The Clean Ocean Access group performs sampling of the beaches and harbor on a monthly basis.

In November 2020, WPC with assistance from the City's Communications Officer developed and rolled out to Residents an "Adopt" A Catch Basin public education and participation program. The overall message was clearing of catch basins grates will help reduce pollutants flowing into Newport Harbor. Free-flowing catch basins not only help prevent ponding of rain water on City streets, but they also help minimize the amount of pollutants entering local waterways such as Newport Harbor.

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
<input checked="" type="checkbox"/> Construction Sites	Contractors	stormwater controls	Field visits
<input checked="" type="checkbox"/> Pesticide and Fertilizer Application	Home owners	reduce phosphorous loads	Web site Educational flyers
<input checked="" type="checkbox"/> General Stormwater Management Info	General Public, Contractors	TSS	Web site Educational flyers
<input checked="" type="checkbox"/> Pet Waste Management	Home owners	pet waste	Storm drain markings, Education flyers
<input checked="" type="checkbox"/> Household Hazardous Waste Disposal			
<input checked="" type="checkbox"/> Recycling			
<input checked="" type="checkbox"/> Illicit Discharge Detection and Elimination			
<input type="checkbox"/> Riparian Corridor Protection/Restoration			
<input checked="" type="checkbox"/> Infrastructure Maintenance			
<input checked="" type="checkbox"/> Trash Management			
<input type="checkbox"/> Smart Growth			
<input checked="" type="checkbox"/> Vehicle Washing			
<input checked="" type="checkbox"/> Storm Drain Marking	General Public	pet waste, floatables	New Storm Drain covers
<input type="checkbox"/> Water Conservation			
<input checked="" type="checkbox"/> Green Infrastructure/Better Site Design/LID			
<input checked="" type="checkbox"/> Wetland Protection			
<input type="checkbox"/> Other:			
<input type="checkbox"/> None			

Additional Measurable Goals and Activities

Please list all stormwater training attended by your staff during the 2020 calendar year and list the name(s) and municipal position of all staff who attended the training.

WPC management staff supplied training to WPC crew members on proper catch basin and storm manhole inspection techniques. Crews were given guidance on what to look for in terms of contamination in stormwater flow and structural integrity. Also communicated was the importance of providing correct information about the stormwater system. Crew members were educated on the importance of cleaning the catch basins and tide gates which can benefit the stormwater system as a whole throughout the city. Crews then enter field data in the GIS System for continuous reports and QA/QC reviews.



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: Giovanni Amato, Superintendent of Water Pollution Control

Phone: 401-845-5600

Email: gamato@CityofNewport.com

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.
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- As part of the installation of a UV Treatment system to be operated at the Easton Pond drainage moat outfall to Easton's Beach two public hearings had been conducted in 2009. Additional public comment was solicited during CRMC permitting of the project in 2010. The UV Treatment System construction project was completed in spring of 2011 and has operated through 2020.
- The City has contracted for ongoing development of printed material for distribution to residents, businesses, commercial landscapers, and schools that identifies the impact phosphorus has on the environment and Almy Pond specifically, along with development of graphic, tabular, and illustrative material for the City's website Portal for Almy Pond. In 2016 the City and PARE Corporation held a Public meeting / workshop regarding the Almy Pond TMDL Management Plan Green Infrastructure Pilot testing. Construction of the TMDL management pilot study project implementing BMPs to reduce phosphorus loading to Almy Pond was completed in December 2017.
- The Final sampling report was completed by PARE Corporation in May of 2018, which demonstrates improvement to the Almy Pond Watershed. Overall, reported phosphorus concentrations in stormwater appear to be lower in the 2018 sampling event when compared to the 2013 and 2016 sampling events, which attributes to Almy Pond TMDL Management Plan Green Infrastructure Pilot testing project and higher public awareness of phosphorus in the watershed. It should also be noted that the City's outreach and education program may be facilitating phosphorus reduction in the watershed.
- The City held three public meetings in 2016 to obtain public input on stormwater management and to provide information on stormwater management and its relationship to periodic, tidally influenced flooding in Whitwell Avenue Watershed area. In addition to the public meetings, a website portal was provided to obtain resident input and distribute information resulting from the study. A report was finalized in January 2017 and is currently available to the public via the City's Web site.
- WPC installed an immediately appealing and noticeable standard storm drain and catch basin covers with markings stating "No Dumping Drains To Bay" in 2020.

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:

- | | |
|--|--|
| <input checked="" type="checkbox"/> Cleanup Events | <input checked="" type="checkbox"/> Storm Drain Markings |
| <input type="checkbox"/> Comments on SWMPP Received | <input type="checkbox"/> Stakeholder Meetings |
| <input type="checkbox"/> Community Hotlines | <input type="checkbox"/> Volunteer Monitoring |
| <input checked="" type="checkbox"/> Community Meetings | <input type="checkbox"/> Plantings |
| <input type="checkbox"/> Other (describe) | |

Additional Measurable Goals and Activities

The 2020 Annual MS4 Report draft was Advertised on February 4, 2021.

The Department of Utilities has been conducting weekly monitoring of the Newport Harbor since October 2, 2008. Laboratory analytical results of the monitoring of the 10 locations in the harbor are posted on the City's website.

Clean-up Activities Days:

None. Scheduled Spring and Fall Recycling Days, and Earth day events were cancelled pre COVID precautions.

Household Hazardous Waste Collection Day:

A Public Collection of Household Hazardous Waste (HHW) was held on September 26, 2020.

The Newport HHW event disposed of about 36,664 pounds, this does not include the paint care totals.

275 gallons of used motor oil was received in the collection igloo at the city yard for 2020.

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:

February 4, 2020

How was public notified:

☐ List-Serve (Enter # of names in List: _____)

☒ Newspaper Advertising

☐ TV/Radio Notices

☐ Town Hall posting

☒ Website

☐ Other:

Enter Web Page URL: <http://cityofnewport.com/departments/utilities/storm-drainage>

Was public meeting held? ☐ YES ☐ NO

Date:

Where:

Summary of public comments received:

Planned responses or changes to the program:



MINIMUM CONTROL MEASURE #3: ILLCIT 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: Robert Schultz - Deputy Utilities Director-Engineering; Giovanni Amato - Superintendent of Water Pollution Control

Phone: 401-845-5600

Email: rschultz@CityofNewport.com ; gamato@CityofNewport.com

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

If yes, when and where? Illicit Discharge Detection and Elimination Manual, A Handbook for Municipalities

If no, who is trained on IDDE? WPC staff performing daily operation and maintenance activities throughout the City of their sanitary and stormwater collection systems. All staff is trained on IDDE once per year and provided fifteen-minute re-fresher as needed.

IV.B.3.b.1:	<p>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.)</p> <p>Number of Outfalls Mapped within regulated area: 53</p> <p>Percent Complete: 100%</p> <p>If 100% Complete, Provide Date of Completion: January 2010</p>
IV.B.3.b.2	<p>Indicate if your municipality chose to implement the tagging of outfalls activity under the IDDE minimum measure, activities and actions undertaken under the 2020 calendar year.</p> <p>Not Applicable – This was an optional activity if GIS maps are being used.</p>
IV.B.3.b.3	<p>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.</p> <p>The City's GIS mapping system is updated as needed from data generated by WPC staff field inspection reports. All updates are results from field inspections of the sanitary sewer and storm drainage systems, and capital improvement projects implemented by the City.</p> <p>All inspection/maintenance reports and as-built drawings are saved in the City's data base. WPC management staff performs QAQC reviews of all reports to verify updates to the GIS and prioritizes repairs and cleaning.</p>
IV.B.3.b.4	<p>Indicate if the IDDE ordinance was not developed, adopted, and submitted to RIDEM, explain reasons why, submit proposed schedule for completion and identify person(s) / Department and/or parties responsible for the completion of this requirement.</p> <p>Date of Adoption: _____</p> <p>If the Ordinance was amended in 2020, please indicate why changes were necessary.</p> <p>There have been no amendments to this ordinance.</p>

ILLCIT DISCHARGE DETECTION AND ELIMINATION cont'd

IV.B.3.b.5.ii, iii, iv, & v	<p>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.</p> <p>Calls are received at our main number during working hours and on our call center after working hours. All calls are recorded on in our records with the following information: Date, time, who answered the phone, name, address and phone number of complainants are all recorded. The message is then given to a collection system staff member to respond and access the situation. Standard practice for tracing flows is implemented using maps, dyes, smoke and CCTV inspection. This work is overseen by the Management staff of WPC. Reports are generated and filed for each service call location into our GIS data base. RIDEM is also notified of any SSOs.</p>
IV.B.3.b.5.vi	<p>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.</p> <p>Number of Catch Basins and Manholes Inspected for illicit connections/IDDE: 2,378 Percent Complete: 100% Date of Completion: Ongoing as part of annual inspection program.</p>
	<p>All catch basins and manhole inspections are initially completed in conjunction with the application of the West Nile Virus larvicide. Any evidence of flow, odor, discoloration or debris are further investigated by members of the collection system staff and overseen by management staff of WPC. Each basin and manhole is identified and tracked by a numbering system in the GIS software. Reports are stored in the WPC GIS Data base. A total of 745 catch basins were fully cleaned during 2020.</p>
IV.B.3.b.5.vii	<p>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 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.</p> <p>Number of Outfalls Surveyed Jan-Apr: 53 Number of Outfalls Surveyed Jul-Oct: 53 Percent Complete: 100% Date of Completion: 10/27/20</p>
	<p>Field screening and testing for dry weather flows had previously been completed for each year from 2006-2020. The RIDEM provided Excel Tables were resubmitted with the 2020 testing results to RIDEM in March 2021.</p> <p>Dry Weather Surveys were completed on April 6th and 7th, 2020 in the spring to meet the High-Water Table (HWT) Illicit Discharge requirement. The Low Water Table Illicit Discharge requirement was met with inspections and sampling occurring on October 26th and 27th, 2020. Eleven samples were taken at eleven outfalls during the spring round of inspections and sampling, the results of which are included in the tables. Six samples were taken at six outfalls during the inspections and sampling for the Low Water Table Illicit Discharge requirement, the results of which are included in the tables. Bacterial counts exceeding typical stormwater system conditions were noted; in particular, outfall DO-079-02 evidenced bacteria counts during the HWT Weather Survey sample. DO-079-02 has previously been evaluated for illicit connections and none were found. The results have been attributed to marine growth and urban runoff, as this outfall is under water during high tide and receives stormwater from an adjacent road, America's Cup Boulevard (RIDOT). WPC will continue to investigate the drainage system discharging to DO-079-02 in 2021.</p>
IV.B.3.b.7	<p>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.</p>
	<p>WPC has a strict Standard Operating Procedure (SOP), outlining steps to be taken for reporting any incident or illicit discharge. Staff is required to notify their immediate supervisor who then notifies RIDEM and the City of Newport Director of Utilities. For each investigation, staff is required to fill out a WPC standard incident report in the GIS data base.</p>

ILLICIT DISCHARGE DETECTION AND ELIMINATION cont'd

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.
Not applicable	
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.
<p>A brochure entitled "Make your home the Solution to Stormwater Pollution" is available and handed out to residents. Topics include Vehicle/Garage practices, Lawn/garden usage, Home Repair/Improvements, Pet Care, Swimming Pool Maintenance and Septic System Use and Maintenance. Public employees including the stormwater collection crew are trained on an annual basis in accordance with Spill Prevention, Control and Countermeasure Plans and Hazardous Waste Contingency Plans.</p> <p>All WPC vehicles are equipped with emergency response spill kits.</p>	
<p>Additional Measurable Goals and Activities</p> <p>WPC installed an immediately appealing and noticeable standard storm drain and catch basin covers with markings stating "No Dumping Drains To Bay" in 2020.</p>	

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

# of Illicit Discharges Identified in 2020: 0	# of Illicit Discharges Tracked in 2020: 2
# of Illicit Discharges Eliminated in 2020: 0	# of Complaints Received: 2
# of Complaints Investigated: 2	# of Violations Issued: 0
# of Violations Resolved: 0	# of Unresolved Violations Referred to RIDEM: 0
Total # of Illicit Discharges Identified to Date (since 2003): 12	Total # of Illicit Discharges remaining unresolved at the end of 2020: 0
Summary of Enforcement Actions: N/A	
Extent to which the MS4 system has been mapped: The City's entire stormwater collection system is mapped on a GIS data base system. Total # of Outfalls Identified and Mapped to date: 161	

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:
		State Roads	RIDOT		As Required
		Town Roads	Town of Middletown		As Required



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: Giovanni Amato - Superintendent of Water Pollution Control

Phone: 401-845-5600

Email: gamato@CityofNewport.com

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: _____

If the Ordinance was amended in 2020, 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.**

This program is managed by the City's Department of Utilities with assistance from the Building Inspections office.

There were no changes to the Ordinance in 2020.

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.

Public meetings are held for all significant projects in the City. Plans and supporting documents are reviewed by the Department, comments are received and addressed during this time.

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.

Not applicable

Additional Measurable Goals and Activities

CONSTRUCTION SITE STORMWATER RUNOFF CONTROL cont'd

SECTION II. A - Plan and SWPPP/SESC Plan Reviews during Year 17 (2020), 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 Applications Received: 0
of Construction Reviews Completed: 0
of Permits/Authorizations Issued: 0
Summary of Reviews and Findings, include an evaluation of the effectiveness of the program. N/A
Identify person(s) /Department and/or parties responsible for the implementation of this requirement: The program is managed by the City's Department of Utilities, Water Pollution Control Division with assistance from the Building Inspections office.
Identify the type and date of training this person(s)/parties has/have received to be considered "adequately trained": Professional staff with backgrounds in all aspects of civil and environmental engineering including soil science, erosion control measures, BMPs, LIDs, construction site management, and enforcement of controls and protection of the environment and its resources as a priority. Management and staff have participated in multiple training classes throughout their extensive professional careers. New professional development classes are encouraged by management and attended each year.

SECTION II.B - Erosion and Sediment Control Inspections during Year 17 (2020), 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: 0	
# of Site Inspections: 0	# of Complaints Received: 0
# of Violations Issued: 0	# of Unresolved Violations Referred to RIDEM: 0
Summary of Enforcement Actions, include an evaluation of the effectiveness of the program. N/A	
Identify person(s) /Department and/or parties responsible for the implementation of this requirement: The program is managed by the City's Department of Utilities, Water Pollution Control Division with assistance from the Building Inspections office.	
Identify the type and date of training this person(s)/parties has/have received to be considered "adequately trained": Professional staff with backgrounds in all aspects of civil and environmental engineering including soil science, erosion control measures, BMPs, LIDs, construction site management, and enforcement of controls and protection of the environment and its resources as a priority. Management and staff have participated in multiple training classes throughout their extensive professional careers. New professional development classes are encouraged by management and attended each year.	



**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: Giovanni Amato - Superintendent of Water Pollution Control

Phone: 401-845-5600

Email: gamato@CityofNewport.com

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.
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The City shall coordinate with all existing RIPDES programs to effectively administer the program.

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 RIPDES Rule 31(b)(15) (the operator must implement procedures to identify new activities that require permitting, notify RIDEM, and refer facilities with new stormwater discharges associated with industrial activity to ensure that facilities will obtain the proper permits).
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The City does not believe it has any facilities which fall under this category of industrial activity. If there is a project proposed for the City, staff will direct the facility to apply directly to the applicable RIPDES or UIC staff for approval.

IV.B.5.b.9	Indicate if the Post-Construction Runoff from New Development and Redevelopment Ordinance was not developed, adopted, and submitted to RIDEM, explain reasons why, submit proposed schedule for completion and identify person(s) / Department and/or parties responsible for the completion of this requirement. Date of Adoption: _____ If the Ordinance was amended in 2020, 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.
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There were no changes to the Ordinance in 2020.

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.
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Citywide Development Plan Review (DPR) process managed by Department of Planning and Economic Development allows the Department of Utilities to review proposed new projects for Drainage, Sewer and Water improvements. The City Council has established the Technical Review Committee (TRC) in Section 2.68.040 of the City of Newport Code of Ordinances to conduct technical reviews of applications for subdivisions and land development projects subject to Planning Board jurisdiction.

Additional Measurable Goals and Activities

WPC is asking private BMPs owner/operators to record an approved O&M manual in the Land Evidence Records office for the subject parcel at City Hall.

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

SECTION II.A. - Plan and SWPPP/SESC Plan Reviews during Year 17 (2020), 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: 0
of Post-Construction Reviews Completed: 0
of Permits/Authorizations Issued: 0
Summary of Reviews and Findings, include an evaluation of the effectiveness of the program.
N/A
Identify person(s) /Department and/or parties responsible for the implementation of this requirement:
The program is managed by the City's Department of Utilities, Water Pollution Control Division with assistance from the Building Inspections office.
Identify the type and date of training this person(s)/parties has/have received to be considered "adequately trained":
Professional staff with backgrounds in all aspects of civil and environmental engineering including soil science, erosion control measures, BMPs, LIDs, construction site management, and enforcement of controls and protection of the environment and its resources as a priority. Management and staff have participated in multiple training classes throughout their extensive professional careers. New professional development classes are encouraged by management and attended each year.

SECTION II.B. - Post Construction Inspections during Year 17 (2020), 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: 0	# of Construction Projects Completed: 0
# of Site Inspections for proper Installation of BMPs: 0	# of Complaints Received: 0
# of Violations Issued: 0	# of Unresolved Violations Referred to RIDEM: 0
Summary of Enforcement Actions:	
No enforcement actions were required in 2020.	
Identify person(s) /Department and/or parties responsible for the implementation of this requirement:	
The program is managed by the City's Department of Utilities, Water Pollution Control Division with assistance from the Building Inspections office.	
Identify the type and date of training this person(s)/parties has/have received to be considered "adequately trained":	
Professional staff with backgrounds in all aspects of civil and environmental engineering including soil science, erosion control measures, BMPs, LIDs, construction site management, and enforcement of controls and protection of the environment and its resources as a priority. Management and staff have participated in multiple training classes throughout their extensive professional careers. New professional development classes are encouraged by management and attended each year.	

SECTION II.C. - Post Construction Inspections during Year 17 (2020), 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: 0	# of Complaints Received: 0
# of Violations Issued: 0	# of Unresolved Violations Referred to RIDEM: 0

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

Summary of Activities and Enforcement Actions. Evaluate the effectiveness of the Program in minimizing water quality impacts.

N/A

Identify person(s) /Department and/or parties responsible for the implementation of this requirement:

The program is managed by the City's Department of Utilities, Water Pollution Control Division with assistance from the Building Inspections office.

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:

The Planning and Economic Development Department with assistance from the Department of Utilities, Water Pollution Control Division.

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

The Planning and Economic Development Department with assistance from the Department of Utilities, Water Pollution Control Division.

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 in 2020?

☐ Yes ☒ No

If yes, please provide a copy as an attachment to this Annual Report.

If no, does your community plan to complete it?

☐ Yes ☐ No

If No, why not? _____

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

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 | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| b. A description of the permanent stormwater BMPs that will be operated and maintained | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| c. The location of the permanent stormwater BMPs that will be operated and maintained | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| d. A timeframe for routine and emergency inspections and maintenance of all permanent stormwater management BMPs | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| e. A requirement that all inspections and maintenance activities are documented | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| f. Annual submission of inspection/maintenance certification/documentation to the MS4 | <input checked="" type="checkbox"/> YES <input type="checkbox"/> 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 | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| h. Steps available for addressing a failure to maintain the stormwater controls and BMPs | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |

Please elaborate, if appropriate:

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

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

- | | |
|---|---|
| a. Agreements and arrangements to ensure O&M of BMPs? | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| b. Inspections? | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| c. Maintenance and schedules? | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| d. Complaints? | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| e. Non-Compliance? | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| f. Enforcement actions? | <input type="checkbox"/> YES <input checked="" type="checkbox"/> 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:

GIS Database and Spreadsheets

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.



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: Giovanni Amato - Superintendent of Water Pollution Control

Phone: 401-845-5600

Email: gamato@cityofnewport.com

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): 13

The City of Newport WPC owns and operates thirteen structural BMPs. GIS mapping is updated as needed and additional structural BMP's will be added as placed into service. Additionally, one structural BMP was installed and operated by the Newport Housing Authority.

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 2020: 13

of MS4-owned/operated BMPs maintained/cleaned in 2020: 9

of MS4-owned/operated BMPs repaired in 2020: 0

Does your municipality/MS4 have a system for tracking:

- | | | |
|--|---|-----------------------------|
| a. Inspection schedules of MS4-owned BMPs? | <input checked="" type="checkbox"/> YES | <input type="checkbox"/> NO |
| b. Maintenance/cleaning schedules of MS4-owned BMPs? | <input checked="" type="checkbox"/> YES | <input type="checkbox"/> NO |
| c. Repairs, corrective actions needed? | <input checked="" type="checkbox"/> YES | <input type="checkbox"/> NO |
| d. Complaints? | <input checked="" type="checkbox"/> YES | <input type="checkbox"/> NO |

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

The Malbone stormwater channel is inspected for obstructions and cleaned of growth and debris on a quarterly basis. This cobble stone lined open channel takes stormwater flow from Hillside Avenue area in the northern part of the city and connects into the State of Rhode Island's stormwater swale system which eventually discharges into the Newport Harbor. The Department of Utilities has been working with RIDOT to stress the importance of cleaning and maintaining the State's swales/drainage channels and culverts to help improve water quality and flooding issues.

Each catch basin is individually inspected during the application of the West Nile Virus larvicide. Catch basins in need cleaning are recorded into the GIS data base and scheduled to be cleaned. Additionally, as part of WPC's continuous operation and maintenance activities, WPC staff regularly inspects, cleans and/or repairs catch basins City wide as needed. WPC inspection reports are saved to the City's GIS data base. Catch basins in low lying areas are also checked more frequently; i.e. before and after all major rain storm events.

The City of Newport WPC inspected and cleaned all 28 filter media cartridges in the Perk Filter unit at the end of Andrew street in October 2020. Routine inspections were performed by WPC in 2020.

POLLUTION PREVENTION AND GOOD HOUSEKEEPING IN MUNICIPAL OPERATIONS cont'd

IV.B.6.b.1.iii	<p>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.</p> <p>Total # of CBs within regulated area (including SRPW and TMDL areas): 165</p> <p># of CBs inspected in 2020: 2,378 % of Total inspected: 100%</p> <p># of CBs cleaned in 2020: 745 % of Total cleaned: 31%</p> <p>Quantity of sand/debris collected by cleaning of catch basins:196 Tons</p> <p>Location used for the disposal of debris: Rhode Island Resource Recovery Landfill</p> <p>Do you use an electronic tool (e.g. GIS, database, spreadsheet) to track the inspections and cleaning of catch basins? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</p>
<p>The Malbone stormwater channel is inspected for obstructions and cleaned of growth and debris on a quarterly basis. This cobble stone lined open channel takes stormwater flow from Hillside Avenue area in the northern part of the city and connects into the State of Rhode Island's stormwater swale system which eventually discharges into Coasters Harbor. The Department of Utilities has been working with RIDOT to stress the importance of cleaning and maintaining the State's swales/drainage channels and culverts to help improve water quality and flooding issues.</p> <p>Each catch basin (2,378 City owned) is individually inspected during the application of the West Nile Virus larvicide. Basins in need of immediate cleaning are recorded and are cleaned. Other than basins identified during this process, the city is broken down into 36 grids on the GIS map and at least one grid is cleaned each month with all basins scheduled to be cleaned at least once every three years. Basins in low lying drainage areas are also checked more frequently and cleaned as needed.</p> <p>There are a total of 3,261 catch basins in the city of Newport, 2,378 of which are City owned (427 are privately owned and 456 are owned by the State, RIDOT). Routine inspections and corrective collection system maintenance is conducted and reported in the City's GIS Data base</p>	
IV.B.6.b.1.iv	<p>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.</p>
<p>Responsibility for erosion of road shoulders and roadside ditches is a shared responsibility within the City, performed by Department of Utilities and Department of Public Services road crews. Erosion is addressed by numerous methods, including installing new loam and seed (including the use of temporary erosion control), installing or repairing asphalt berms and or curbing, and performing maintenance activities in drainage swales.</p>	
IV.B.6.b.1.v	<p>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.</p>
<p>Inspections of all outfalls are completed annually. Additionally, some of the outfalls are inspected multiple times throughout the year and cleaned as needed. No anomalies of pipe scouring or extraordinary sedimentation deposits were noted.</p>	
IV.B.6.b.1.vi	<p>Use the space below to indicate if all streets and roads within the urbanized area were swept annually and if not indicate reason(s). Evaluate appropriateness and effectiveness of this requirement.</p> <p>Total roadway miles within regulated area (including SRPW and TMDL areas): 5</p> <p>Roadway miles that were swept in 2020: 5,649 % of Total swept: 100%</p> <p>Type of sweeper used: <input checked="" type="checkbox"/> Rotary brush street sweeper <input type="checkbox"/> Vacuum street sweeper</p> <p>Quantity of sand/debris collected by sweeping of streets and roads: Information not available from Public Services. Street sweepings were not hauled in 2020. Remain at City Yard.</p> <p>Location used for the disposal of debris: N/A When hauled, Rhode Island Resource Recovery Landfill</p> <p>Do you use an electronic tool (e.g. GIS, database, spreadsheet) to track the annual sweeping of streets and roads? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p>

POLLUTION PREVENTION AND GOOD HOUSEKEEPING IN MUNICIPAL OPERATIONS cont'd

<p>The Almy Pond watershed area roads were swept three times by street sweepers in 2020.</p>	
<p>IV.B.6.b.1.vii</p>	<p>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.</p>
<p>Under the city's Solid Waste Master Contract, the contractor is required to collect trash from all of the city owned streets and park barrels. The barrels are emptied twice a day April 1st through October 31st and once a day November 1st through March 31st. The city, through its Solid Waste Master Contract also provides daily litter clean up in various downtown streets, seven days a week from May 1st through October 31st.</p> <p>The City has installed "Big Belly" solar-powered compacting trash bins in high pedestrian traffic areas of the city. These bins are monitored remotely and are picked up on an as-needed basis when they signal they are full. The "Big Belly" bins also feature an enclosed hopper, preventing loss of waste to scavengers, and a reduction of waste exposed to stormwater.</p>	
<p>IV.B.6.b.1.viii</p>	<p>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.</p> <p>Do you have a system for tracking actions to remove and dispose of waste? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</p>
<p>A comprehensive data base is at the City of Newport Department of Utilities indicating activities and corrective actions taken. Monthly reporting is prepared detailing all work completed.</p>	
<p>IV.B.6.b.4 and IV.B.6.b.5</p>	<p>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 a waters of the State; and inspection of the entire facility at least once a year for evidence of pollution, evaluation of BMPs that have been implemented, and inspection of equipment. A Compliance Evaluation report summarizing the scope of the inspection, personnel making the inspection, major observations related to the implementation of the Stormwater Management Plan (formerly known as a Stormwater Pollution Prevention Plan), and any actions taken to amend the Plan must be kept for record-keeping purposes.</p>
<p>A comprehensive data base is at the City of Newport Department of Utilities indicating activities and corrective actions taken. Monthly reporting is prepared detailing all work completed.</p>	
<p>IV.B.6.b.6</p>	<p>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 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.</p> <p>How many stormwater management trainings have been provided to <i>municipal employees</i> during this reporting period? 2</p> <p>What was the date of the last training? 9/23/2020</p> <p>How many <i>municipal employees</i> have been trained in this reporting period? 11</p> <p>What percent of <i>municipal employees</i> in relevant positions and departments received stormwater management training? 100%</p> <p>Have <i>municipal employees</i> that are responsible for inspecting or cleaning catch basins also been trained to detect and report illicit connections or non-stormwater discharges? Yes</p>
<p>All WPC employees working in wastewater and stormwater are trained in chemical handling, spill response, SESC controls, hazards, toxins and communications. All WPC vehicles are equipped with emergency response spill kits.</p>	

POLLUTION PREVENTION AND GOOD HOUSEKEEPING IN MUNICIPAL OPERATIONS cont'd

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 new projects require the design engineer to attempt to reduce flow volume and rate from existing site conditions for the project. Water quality improvement is also recommended. Under the City's zoning ordinance all new projects are required to comply with the requirements of the zoning ordinance and subdivision regulations, Titles 12, 13 and 15 of the Codified Ordinances of the City of Newport governing public services, streets, sidewalks and public places, parking, buildings and construction as well as laws, ordinances, rules and regulations governing stormwater management.	
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:
Newport Housing	Intersection of Hillside & Maple Avenues	Trinity Financial	Vortechnic device to reduce TSS and contain spills	Annually
Cliff Walk Restroom Sand Filters	Cliff Walk Restroom Area	City of Newport	Sand Filters for area stormwater treatment.	Annually
Almy Pond TMDL management pilot study program	Andrews St., Hazard Ave. and Gordon St.	City of Newport	Vortechnic and media filtration units on Andrews St, a Tree box filter unit on Hazard Ave., vegetative filter swales on Gordon St. & Hazard Ave. and a bioretention basins on Casey ct. to reduce phosphorous loads to Almy Pond	Annually
Hillside Ave. GI SW project	Hillside Ave.	City of Newport	Tree box filter unit and 4 bioretention basins	Annually

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

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

SECTION II.C - Note any planned municipal construction projects/opportunities to incorporate water quality BMPs, low impact development, or activities to promote infiltration and recharge (Part IV.G.2.j).

<p>The City is currently incorporating deep sump catch basins into infrastructure projects for the repair and replacement of infrastructure which has reached the end of its useful life, or is failing. As part of this effort, the City is also eliminating unscreened curb inlets which result in animal access and significant debris accumulation within structures.</p> <p>Two vegetative filter strips were inspected and maintained as part of the Almy Pond TMDL management plan.</p> <p>A bioretention basin and deep sump catch basin at the end of Casey Ct., which outfalls to Almy pond.</p>
--

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).

Not applicable



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: Giovanni Amato - Superintendent of Water Pollution Control

Phone: 401-845-5600

Email: gamato@cityofnewport.com

LIST OF IMPAIRED WATERS:				
Impaired Water Body: Almy Pond WBID:	Pollutants Causing Impairments: Phosphorous	Has TMDL been completed? Has MS4 been notified of TMDL requirements? Has MS4 developed a Scope of Work or TMDL Implementation Plan?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
Impaired Water Body: WBID:	Pollutants Causing Impairments:	Has TMDL been completed? Has MS4 been notified of TMDL requirements? Has MS4 developed a Scope of Work or TMDL Implementation Plan?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> NO	
[add as necessary]				
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: pet waste reduce phosphorous loads trash and floatables	Strategy: Web site Education flyers Screened Inlet retro-fits Street sweeping	Target Audience: Home owners Dog owners City Departments		
Has the MS4 installed stormwater BMPs or required the installation of stormwater BMPs on private property to address impairments? <input checked="" type="checkbox"/> YES <input type="checkbox"/> 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:				
The Almy Pond TMDL management pilot study program consisted of the installation of several BMP/LID technologies that included nine (9) deep sump catch basins, one (1) tree box filter, and two (2) vegetated filter strips. An "end-of-pipe" treatment train was also installed that included one (1) hydrodynamic separator and one (1) media filtration system. The stormwater infrastructure for this project was installed along Coggeshall Avenue, Hazard Avenue, Gordon Street, Vanderbilt Avenue, and Andrew Street, completed in November 2017. The City of Newport, Department of Utilities Water Pollution Control Division (WPC) replaced all 28 filter media cartridges for the Perk Filter unit at the end of Andrew street in October 2018. Routine inspections and preventative maintenance were performed by WPC in 2020.				
Impaired water body	Type of Stormwater Control:	Date Installed:	<input checked="" type="checkbox"/> Municipally Owned <input type="checkbox"/> Privately Owned	Who maintains it?
Almy Pond	9 Deep Sump Catch Basin retrofits 1 Tree Box Filter	6/21/17 - 7/28/17 7/26/17	City of Newport City of Newport	City of Newport City of Newport

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

	2 Vegetated Filter Strip Swales	6/13/17 & 6/19/17	City of Newport	City of Newport
	Hydrodynamic Separator	9/28/17	City of Newport	City of Newport
	Media Filtration System (Perk Filter)	9/28/17	City of Newport	City of Newport
	1 bioretention basin and deep sump catch basin	7/1/19	City of Newport	City of Newport

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.):

The City was formally notified of an approved TMDL for Almy Pond on November 14, 2007. Previously the City had attended a public stakeholder meeting concerning this topic on April 24, 2007. The plan addresses phosphorous related impairments to the pond. The plan requires the City submit an amendment to its SWMPP to address the TMDL provisions within 180 days of the notice. The City submitted the required SWMPP amendments on May 13, 2008. RIDEM responded to the SWMPP amendment on January 13, 2009, and required an additional revision of the SWMPP and proposed scope of work in order to come into compliance with water quality restoration plan included in the TMDL report. The revised Program Plan was submitted to RIDEM in March, 2009, and includes additional source characterization and identification, such as shoreline surveys, wet-weather sampling, and sediment and pond sampling. In its efforts to assist the RIDEM in this report, the City had previously inspected all the tributary drainage systems and found no cross connections attributable to this pond. The City had also performed an inspection of its two pump stations adjacent to the pond and found no evidence of leakage or overflows from either pump station.

The City completed characterization and identification of the sources of the impairment that resulted in the TMDL. The results indicate that elevated concentrations of particulate bound and dissolved phosphorus in stormwater have been entering Almy Pond, settling, and accumulating within the Pond sediment over a long period of time. In addition to the external sources of phosphorus, internal loading of phosphorus occurs year round as a result of the anoxic conditions at the Pond bottom. It should be noted that the mean total phosphorus concentration detected from the sampling was 295 µg L-1 which exceeds the DEM Surface Water Criteria of 25 µg L-1 and is more than double the total phosphorus concentration the DEM reported in 2004.

The City has contracted for ongoing development of printed material for distribution to residents, businesses, commercial landscapers, and schools that identifies the impact phosphorus has on the environment and Almy Pond specifically, along with development of graphic, tabular, and illustrative material for the City's website Portal for Almy Pond. Reduction of the external loads of total phosphorus entering the Pond will help curtail the total phosphorus accumulating in Almy Pond's surface water and sediments. The reduction in external loading needs to be addressed and verified prior to addressing the internal loading.

The City anticipates the ongoing public education campaign will result in installation and implementation of new structural and non-structural BMPs, respectively. Pending the successful reduction of external loading a plan will be developed to address internal loading.

Additional street sweepings and catch basin cleanings (up to three times a year) are conducted in the Almy pond watershed area in accordance with the program plan.

A pilot project for treatment of stormwater runoff entering Almy Pond has been approved for a grant. The project construction was completed in December 2017. The Final sampling report was completed by PARE Corporation in May of 2018, which demonstrates improvement to the Almy Pond Watershed. Overall, reported phosphorus concentrations in stormwater appear to be lower in the 2018 sampling event when compared to the 2013 and 2016 sampling events. Routine inspections and preventative maintenance were performed by WPC in 2020.



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.

South Easton pond is listed as an SRPW however, the City does not discharge any stormwater to this pond.