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 # RIR040009

REPORTING PERIOD: ☒ **YEAR 20**

Jan 2023-Dec 2023

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: Robert C. Schultz, Jr.	Title: Director of Utilities		
	Email: rschultz@cityofnewport.com		
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: Laura L. Sitrin

Print Title: Interim 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.

The Department of Utilities, Water Pollution Control Division (WPC) 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 developed printed educational material for distribution to residents, businesses, commercial landscapers, and schools that identifies the impact phosphorus has on the environment and the Almy Pond Watershed specifically, along with the development of graphic, tabular, and illustrative material for the City's website.

The Department of Public Services administers the City of Newport Clean City program. It provides information on household hazardous waste disposal and recycling, coordinating with Rhode Island Resource Recovery Corp.'s Eco-Depot program.

The City initiated a drainage study for two low-lying areas in the City that 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 helped the City to develop drainage improvement projects in 2016 for the Wellington Avenue and Bridge Street Watershed areas. The Wellington Avenue Watershed Drainage Improvement project is currently in the construction phase, and is anticipated to be completed in the summer of 2024. The Bridge Street Watershed Drainage Improvement project's final design and engineering was completed in 2018. It included a new tide gate vault structure with a trash rack, in line with the existing 48-inch storm drain pipe, which ultimately discharges/outfalls through the sea wall of Storer Park to Newport Harbor. The City alongside Wright / Pierce, 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 were performed by WPC in 2023.

In 2016 the City and PARE Corporation held a Public workshop meeting regarding the Almy Pond TMDL Management Plan Green Infrastructure Pilot testing 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, which attributed 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 cleaned the Vortex unit and Perk Filter vault at the end of Andrew Street. Routine inspections and preventative maintenance were performed by WPC in 2023.

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 the 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 of the Green Infrastructure BMPs located at this project. Routine inspections and preventative maintenance were performed by WPC in 2019. Routine inspections and preventative maintenance were performed by WPC in 2023.

The City had obtained a grant from RIDEM for a Stetco catch basin cleaner / jetter truck, which has allowed the City to increase the cleaning frequency of the catch basins and storm drains. The Stetco truck arrived in the City in January 2019 and has been operational since day one and during the entire year of 2023 by WPC.

In 2021, The City of Newport was awarded a $180,000 Municipal Resilience Program Action Grant. This grant was utilized for a critical project: Mitigating stormwater runoff into Almy Pond. Construction for this project was started and completed in late fall of 2023 by the City of Newport.

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.

The Clean Ocean Access group performs sampling of the beaches and harbor every month.

In the fall of 2023, 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 posted on the City's dedicated website, Instagram, and Facebook. The overall message was clearing catch basin grates will help reduce pollutants flowing into Newport Harbor. Free-flowing catch basins not only help prevent ponding of rainwater on City streets, but they also help minimize the amount of pollutants entering local waterways such as Newport Harbor. The City of Newport also created a public website portal collaborating with residents and business owners to encourage the adoption of catch basins in their neighborhoods.

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**
☒ Construction Sites	Contractors	stormwater controls	Field Visits
☒ Pesticide and Fertilizer Application	Homeowners	Reduce Phosphorous loads	Website & Educational Flyers
☒ General Stormwater Management Info	General Public, Contractors	TSS	Website & Educational Flyers
☒ Pet Waste Management	Residents	Pet waste	Storm Drain Markings & Education Flyers
☒ Household Hazardous Waste Disposal	Residents		
☒ Recycling	Residents		
☒ Illicit Discharge Detection and Elimination	Residents		
☐ Riparian Corridor Protection/Restoration			
☒ Infrastructure Maintenance			
☒ Trash Management			
☐ Smart Growth			
☒ Vehicle Washing			
☒ Storm Drain Marking	Residents	Pet waste, trash & floatables	Storm Drain Covers and ceramic disc on catch basin inlets stating "No Dumping Drains to Bay"
☐ Water Conservation			
☒ Green Infrastructure/Better Site Design/LID			
☒ Wetland Protection			
☐ Other:			
☐ None			

Additional Measurable Goals and Activities

Please list all stormwater training attended by your staff during the 2023 calendar year and list the name(s) and position of all staff who attended the training.

WPC management staff supplied training to WPC crew members on proper catch basin and stormwater utility hole inspection techniques. All crew members 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 the 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 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.

In 2009, the City hosted two public hearings to gather input from residents before the design of the UV Treatment Station at the Easton's Pond drainage moat outfall. Additional public comments were solicited during CRMC's permitting of the project in 2010. The construction of the UV Treatment System project was completed in the spring of 2011 and has operated through 2023.

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 the 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. Routine inspections and preventive maintenance were performed in 2023.

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 were lower in the 2018 sampling event when compared to the 2013 and 2016 sampling events, which attributed to Almy Pond TMDL Management Plan Green Infrastructure Pilot testing project and higher public awareness of phosphorus in the watershed, success. It should also be noted that the City's outreach and education program may be facilitating phosphorus reduction in the watershed.

WPC installed an immediately appealing Newport standard Storm Drain covers on catch basin inlets stating "No Dumping Drains to Bay" in 2023. WPC created and installed beautiful Storm Drain public education marking discs on catch basin inlets to inform residents that these catch basins are connected to our local waterways "No Dumping Drains to Bay" in 2023.

Spouting Rock Drive, Newport, RI: Mitigating Stormwater Runoff into Almy Pond Project. In 2021, The City of Newport was awarded a $180,000 Municipal Resilience Program Action Grant. This grant was utilized for a critical project: Mitigating stormwater runoff into Almy Pond, one of our state's most distressed bodies of water. To spearhead this initiative. The City of Newport's Planning department worked closely together with the Aquidneck Island Land Trust to get approvals and funding to remove approximately 25,200 square feet of impervious surface from Spouting Rock Drive and its associated appurtenances (i.e., catchbasins, sewer, etc.). This project broke ground in the fall of 2023 and was a cooperative effort by the City's Utilities, Public Services, and Planning Departments. The City of Newport removed approximately 25,200 square feet of impervious surface, (i.e. roadway and sidewalks) and associated appurtenances. Restoring the site to its natural state before the road was built. The City staff was enthusiastic and devoted to making a positive impact by ensuring the health and vitality of our natural resources.

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

The 2023 Annual MS4 Report draft was Advertised on February 8, 2024.

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

Clean-up Activities Days:

Earth Day 2023
Spring Recycling Day was held on April 22, 2023
Fall Recycling Day: November 4, 2023
Eco-Depot event was held on October 14, 2023.

The Earth Day 2023 event collected and disposed of 2,208 lbs. of trash collected from parks, roadways, and public spaces.

The Spring Recycling Day event received 13,231 lbs. of E-Waste, 1,400 lbs. of textiles, 0.99 tons of rigid plastic, 2.03 tons of metals, 800 lbs. of Cardboard, 30 gals. of cooking oil, and 5,020 lbs. of shredded paper.

The Fall Recycling Day event received 9,037 lbs. of E-Waste, 540 lbs. of textiles, 0.57 tons of rigid plastic, 2.44 tons of metals, 560 pounds of Cardboard, 4 gals. of cooking oil, and 1,840 lbs. of shredded paper.

The Eco-Depot event collected and properly disposed of 24,112 lbs. of household hazardous waste.

Approximately 325 lbs. of used motor oil were received in 2023 at the City's collection igloo in the city yard.

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 8, 2024

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: https://www.cityofnewport.com/city-hall/departments/utilities/stormwater

Was public meeting held? ☐ YES ☐ NO

Date: Where:

Summary of public comments received:

Not applicable.

Planned responses or changes to the program:

Not applicable.

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: Giovanni Amato - Superintendent of Water Pollution Control

Phone: 401-845-5600 **Email:** 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 perform 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 a fifteen-minute re-fresher as needed.

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:** 53 **Percent Complete:** 100 **If 100% Complete, Provide Date of Completion:** January 2010

Not applicable – This was an optional activity if GIS maps are being used.

IV.B.3.b.2	Indicate if your MS4 chose to implement the tagging of outfalls activity under the IDDE minimum measure, activities and actions undertaken under the 2023 calendar year.

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.

All inspection/maintenance reports and as-built drawings are saved in the City's database. WPC management staff performs QA/QC reviews of all reports to verify updates to the GIS and prioritizes repairs and cleaning.

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.

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.

All inspection/maintenance reports and as-built drawings are saved in the City's database. WPC management staff performs QA/QC reviews of all reports to verify updates to the GIS and prioritizes repairs and cleaning.

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:** _____ If the Ordinance was amended in 2023, please indicate why changes were necessary.

There have been no amendments to this ordinance.

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.

Calls are received at our main number during working hours and at our call center after working hours. All calls are recorded 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 database. RIDEM is also notified of any SSOs.

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:** 2,340 **Percent Complete:** 100 % **Date of Completion:** Ongoing as part of the annual inspection program.

All catch basin and stormwater manhole inspections are initially completed in conjunction with the application of the West Nile Virus larvicide. Any evidence of flow, odor, discoloration, or debris is further investigated by members of the collection system staff and overseen by the management staff of WPC. Each basin and maintenance hole are identified and tracked by a numbering system in the GIS software. Reports are stored in WPC's GIS database. A total of 218 catch basins were thoroughly cleaned in 2023.

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:** 53 **Number of Outfalls Surveyed Jul-Oct:** 53 **Percent Complete:** 100% **Date of Completion:** October 17, 2023

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 2023 testing results to RIDEM in March 2024.

Dry Weather Surveys were completed to meet the High-Water Table (HWT) and Low Water Table (LWT) Illicit Discharge requirements. Requirements were met with visual inspections and sampling. Seven (7) samples were taken at the outfalls during the spring round of inspection sampling for the LWT Illicit Discharge requirements, the results of which are included in the tables. Eight (8) samples were taken at outfalls during the fall round of inspections and sampling for the HWT 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 Dry Weather Survey samples. 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.

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.

WPC has a strict Standard Operating Procedure (SOP), outlining steps to report 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, the staff is required to fill out a WPC standard incident report in the GIS database.

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.
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 crews, are trained on an annual basis in accordance with Spill Prevention, Control, and Countermeasure Plans and Hazardous Waste Contingency Plans. All WPC vehicles are equipped with emergency response spill kits.	
Additional Measurable Goals and Activities WPC installed appealing and noticeable standard Storm Drain and catch basin covers with markings stating "No Dumping Drains to Bay" during 2023. In 2023, WPC created and installed beautiful Storm Drain public education marking discs on catch basin inlets to inform residents that these catch basins are connected to our local waterways, "No Dumping Drains to Bay".	

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

# of Illicit Discharges Identified in 2023: 0	# of Illicit Discharges Tracked in 2023: 0
# of Illicit Discharges Eliminated in 2023: 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): 12	Total # of Illicit Discharges remaining unresolved at the end of 2023: 0
Summary of Enforcement Actions: Not applicable.	
Total # of Outfalls identified and mapped to date: 161 Total # of Interconnections with other MS4s identified and mapped to date: 2 Extent to which the MS4 system has been mapped (% complete): 100% The City's entire stormwater collection system is mapped on a GIS database system.	

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:
		State Roads	RIDOT		As required.
		Middletown 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 2023, please indicate why changes were necessary 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 2023.

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
Not applicable.

SECTION II. A - Plan and SWPPP/SESC Plan Reviews during Year 20 (2023), 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: 2 # of Construction Reviews Completed: 1 # of Permits/Authorizations Issued: 0
Summary of Reviews and Findings, include an evaluation of the effectiveness of the program. Not applicable. 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 20 (2023), 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: 2	
# 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. Not applicable. 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 civil and environmental engineering backgrounds, 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.

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 §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 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 2023, 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.

There were no changes to the Ordinance in 2023.

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 Citywide Development Plan Review (DPR) process managed by the Department of Planning and Economic Development allows the Department of Utilities to review proposed new 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 owners/operators to record an approved O&M manual in the Land Evidence Records office for the subject parcel at City Hall.

SECTION II.A. - Plan and SWPPP/SWMP Reviews during Year 20 (2023), 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. No enforcement actions were required in 2023. 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 civil and environmental engineering, including soil science, erosion control measures, Professional staff with civil and environmental engineering backgrounds including soil science, erosion control measures, BMPs, LIDs, construction site management, and enforcement of controls. Protection of the environment and its resources is 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 20 (2023), 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 2023. 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 civil and environmental engineering backgrounds including soil science, erosion control measures, BMPs, LIDs, construction site management, and enforcement of controls. Protection of the environment and its resources is 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 20 (2023), 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: 10	# 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.

Not applicable.

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:

_____

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

_____

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 2023, 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:

WPC is asking private BMPs owners/operators to record an approved O&M agreement in the Land Evidence Records office for the subject parcel.

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:

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):14
The City of Newport owns and operates fourteenth 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 2023**:14 **# of MS4-owned/operated BMPs maintained/cleaned in 2023**:10 **# of MS4-owned/operated BMPs repaired in 2023**: 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

The Malbone stormwater channel is inspected for obstructions and cleaned of growth and debris every quarter. This cobblestone-lined open channel takes stormwater flow from the 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 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.

Each catch basin is individually inspected during the application of the West Nile Virus larvicide. Catch basins in need of cleaning are recorded in the GIS database 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 Citywide as needed. WPC inspection reports are saved to the City's GIS database. Catch basins in critical low-lying areas are also checked more frequently, i.e. before and after all significant rainstorm events.

The City of Newport WPC inspected and cleaned the Vortex unit and Perk Filter vault at the end of Andrew Street in 2023. Routine inspections and preventive maintenance were performed by WPC staff in 2023.

In 2023, The city of Newport WPC added public education graphics to their work truck with information in regards to keeping catch basins clean to help prevent flooding and pollution "Keep Grates Clear". WPC created and installed beautiful storm drain public education marking discs on catch basin inlets to inform residents that these catch basins are connected to our local waterways "No Dumping Drains to Bay".

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):** 165 **# of CBs inspected in 2023:** 2,340 **% of Total inspected:** 100 **# of CBs cleaned in 2023:** 218 **% of Total cleaned:** 10 If determined, approximate quantity of sand/debris collected by cleaning of catch basins: 119 Tons Location used for the disposal of debris: 250 JT Connell Hwy, Newport, RI 02840 Do you use an electronic tool (e.g. GIS, database, spreadsheet) to track the inspections and cleaning of catch basins? ☒ YES ☐ NO

The Malbone stormwater channel is inspected for obstructions and cleaned of growth and debris every quarter. This cobblestone-lined open channel takes a large amount of stormwater flow from the Hillside Avenue area in the northern part of the City and connects to the State of Rhode Island's stormwater swale/pipe culvert 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.

Each catch basin (2,340 City-owned) is individually inspected during the application of the West Nile Virus larvicide. Basins in need of immediate cleaning are recorded and cleaned. Other than basins identified during this process, the City' is broken down into 36 grids on the GIS map all with induvial ID numbers. Detailed inspection reports for vacuum cleaning and repairs are recorded in the City's GIS database. Work orders are created and executed for full-depth vacuum cleaning and repairs, as needed. The City's goal is to inspect every catch basin and drain manhole once at least once per year. Catch basins that historically collect more debris are cleaned multiple times per year. Additionally, critical low-lying drainage area catch basin grates are also checked more frequently and cleaned as needed.

There are a total of 3,279 catch basins in the City of Newport, 2,340 of which are City-owned (472 are privately owned and 467 are owned by the State, maintained by RIDOT). Routine inspections and corrective collection system maintenance are conducted and reported in the City's GIS Database.

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.
Responsibility for the erosion of road shoulders and roadside ditches is a shared responsibility within the City, performed by the 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.	
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.
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.	
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):** 94 **Roadway miles that were swept in 2023:** 6,800 **% 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: 683 tons Location used for the disposal of debris: Rhode Island 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
The Almy Pond watershed area roads were swept three times by street sweepers in 2023.	
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.

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 1 through October 31 and once a day from November 1 through March 31. The City, through its Solid Waste Master Contract, also provides daily litter clean-up in various downtown streets, seven days a week from May 1 through October 31.

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 full. The "Big Belly" bins also feature an enclosed hopper, preventing the loss of waste to scavengers and a reduction of waste exposed to stormwater.

The City's goal of reducing floatable and debris in the harbor is being achieved during the design and engineering phase of the City's continuous improvements of their stormwater infrastructure by removing the open mouth catch basin stormwater inlets and replacing them with catch basin grate stormwater inlets. Deep sumps are also being retrofitted in the replacement of catch basin structure bodies.

The City of Newport created a public website portal collaborating with residents and business owners to encourage the adoption of catch basins in their neighborhoods. https://adopt-a-catch-basin-newportri.hub.arcgis.com/

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
A comprehensive database is at the City of Newport Department of Utilities, indicating activities and corrective actions taken. Monthly reporting is prepared to detail all work completed.	
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
A comprehensive database is at the City of Newport Department of Utilities, indicating activities and corrective actions taken. Monthly reporting is prepared to detail all work completed.	

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.
A comprehensive database is at the City of Newport Department of Utilities, indicating activities and corrective actions taken. Monthly reporting is prepared to detail all work completed.	
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 MS4 staff participation in trainings offered by other parties (e.g. SNEP, EPA) and all in-house training conducted by the municipality/MS4. Evaluate appropriateness and effectiveness of this requirement. How many stormwater management trainings have been provided to *municipal/MS4 employees* during this reporting period? 1 What was the date of the training? 09/27/23 Training Topic(s): IDDE How many *municipal/MS4 employees* attended this training? 11 What was the date of the training? ___/___/____ Training Topic(s): _____ How many *municipal/MS4 employees* attended this training? _____ [Add additional trainings as necessary.] What percent of *municipal/MS4 employees* in relevant positions and departments received stormwater management training? 100% Have *municipal/MS4 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
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.	
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 Not applicable.	

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	Hillside & Maple Avenue	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 Street, Casey Ct., Hazard Avenue, and Gordon Street	City of Newport	Vortechnic and media filtration Vault, Tree box filter unit, vegetative filter swales, and bioretention basins 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
Almy Pond	Spouting Rock Drive	City of Newport	1 bioretention basin	Biannually

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/MS4-owned construction projects/opportunities to incorporate water quality BMPs, low impact development, or activities to promote infiltration and recharge (Part IV.G.2.j).

The City is currently incorporating deep sump catch basins into infrastructure projects for the repair and replacement of infrastructure that 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.

Two vegetative filter strips were inspected and maintained as part of the Almy Pond TMDL management plan.

A bioretention basin and deep sump catch basin, at the end of Casey Court, this basin outfalls directly to Almy Pond.

A bioretention basin at the end of Spouting Rock Drive, this basin outfalls directly to Almy Pond.

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: 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?	☒ YES ☐ NO ☒ YES ☐ NO ☒ YES ☐ 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?	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ 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:	Strategy:	Target Audience:
pet waste fertilizer reduce phosphorous loads trash and floatables	Web site Education flyers Screened Inlet retro–fits Street sweeping	Home owners Dog owners City Departments Landscapers

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:

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, and completed in November 2017. The City of Newport WPC cleaned the Vortex unit and Perk Filter vault at the end of Andrew Street. Routine inspections and preventative maintenance were performed by WPC in 2023.

In 2023, City staff removed approximately 25,200 square feet of impervious surface and installed a biorientation basin to help filter stormwater runoff before entering into Almy Pond.

Impaired water body	Type of Stormwater Control:	Date Installed:	☒ Municipally/MS4-Owned ☐ 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 Hydrodynamic Separator Media Filtration System (Perk Filter) 1 bioretention basin and deep sump catch basin	6/13/17 & 6/19/17 9/28/17 9/28/17 7/1/19	City of Newport City of Newport City of Newport City of Newport	City of Newport City of Newport City of Newport City of Newport
Almy Pond	Removed approx. 25,200 square feet of impervious surface and installed 1 biorientation basin	10/19/23	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 to 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 the 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 the 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's 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 the 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 the 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 the 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 2023.

Spouting Rock Drive, Newport, RI: Mitigating Stormwater Runoff into Almy Pond Project. In 2021, The City of Newport was awarded a $180,000 Municipal Resilience Program Action Grant. This grant was utilized for a critical project: Mitigating stormwater runoff into Almy Pond, one of our state's most distressed bodies of water. To spearhead this initiative. The City of Newport's Planning department worked closely together with the Aquidneck Island Land Trust to get approvals and funding to remove approximately 25,200 square feet of impervious surface from Spouting Rock Drive and its associated appurtenances (i.e., catchbasins, sewer, etc.). This project broke ground in the fall of 2023 and was a cooperative effort by the City's Utilities, Public Services, and Planning Departments. The City of Newport removed approximately 25,200 square feet of impervious surface, (i.e. roadway and sidewalks) and associated appurtenances. Restoring the site to its natural state before the road was built. The City staff was enthusiastic and devoted to making a positive impact by ensuring the health and vitality of our natural resources.

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 2022 Integrated Water Quality Monitoring and Assessment Report (which includes the Section 305(b) State of the State's Waters Report and the Section 303(d) List of Impaired Waters) can be found here: https://dem.ri.gov/sites/g/files/xkgbur861/files/2022-09/RIDEM%202022%20Integrated%20Report%2003-29-2022.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 into this Pond.

Name of Town: NEWPORT

General Information				Location in Decimal Degrees						Receiving Water Body Information		Outfall Information							
Inspector(s)	Outfall ID	Date	Time	Longitude	Latitude	Method of Collection	Accuracy in meters	Horizontal Datum	Photo Name	Type	Name	Material	If Other	Shape	If Other	Diameter	If Other	Type	If Other
	DO-043-01			-71.32185	+41.49935	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
	DO-049-01			-71.32168	+41.49715	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
	DO-049-02			-71.32191	+41.49659	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	PVC		CIRCULAR		6"-11"		SINGLE	
	DO-064-01			-71.32150	+41.49330	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
	DO-064-02			-71.32180	+41.49198	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		36"-59"		SINGLE	
	DO-064-03			-71.32263	+41.49113	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		36"-59"		SINGLE	
	DO-070-02			-71.32049	+41.48910	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		6"-11"		SINGLE	
	DO-071-01			-71.31740	+41.48957	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
	DO-071-02			-71.31736	+41.48952	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		>60"		SINGLE	
	DO-071-03			-71.31716	+41.48851	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		36"-59"		SINGLE	
	DO-079-01			-71.31670	+41.48694	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		TRIPLE	
	DO-079-02			-71.31670	+41.48690	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		TRIPLE	
	DO-079-03			-71.31676	+41.48686	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		TRIPLE	
	DO-086-01			-71.31568	+41.48331	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		36"-59"		SINGLE	
	DO-092-02			-71.31646	+41.48162	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		36"-59"		SINGLE	
	DO-099-01			-71.31558	+41.48006	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
	DO-099-02			-71.31636	+41.47891	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		36"-59"		SINGLE	
	DO-099-03			-71.31632	+41.47798	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	OTHER	Brick	BOX		12"-35"		SINGLE	
	DO-109-01			-71.31667	+41.47740	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		BOX		>60"		SINGLE	
	DO-109-02			-71.31668	+41.47746	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		>60"		SINGLE	
	DO-108-01			-71.32481	+41.47656	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
	DO-116-01			-71.32530	+41.47506	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
	DO-144-01			-71.35603	+41.46650	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Atlantic Ocean	OTHER	VC	CIRCULAR		12"-35"		SINGLE	
	DO-166-01			-71.35721	+41.45504	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Atlantic Ocean	RCP		CIRCULAR		12"-35"		SINGLE	
	DO-177-01			-71.35848	+41.45870	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Atlantic Ocean	RCP		CIRCULAR		6"-11"		SINGLE	
	DO-186-01			-71.21428	+41.27299	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Atlantic Ocean	RCP		CIRCULAR		12"-35"		SINGLE	
	DO-190-01			-71.33865	+41.45659	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Atlantic Ocean	PVC		CIRCULAR		12"-35"		SINGLE	
	DO-190-02			-71.33865	+41.45659	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Atlantic Ocean	PVC		CIRCULAR		6"-11"		SINGLE	
	DO-151-01			-71.31954	+41.46658	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			FRESHWATER_WETLAND	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
	DO-151-02			-71.31956	+41.46657	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			FRESHWATER_WETLAND	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
	DO-184-01			-71.31057	+41.45917	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			LAKE/POND	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
	DO-163-01			-71.31440	+41.46249	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			LAKE/POND	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
	DO-164-01			-71.31045	+41.46447	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			FRESHWATER_WETLAND	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
	DO-152-01			-71.31117	+41.46582	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
	DO-152-02			-71.31067	+41.46613	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			FRESHWATER_WETLAND	Narragansett Bay	RCP		CIRCULAR		36"-59"		SINGLE	
	DO-152-03			-71.31009	+41.46604	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			FRESHWATER_WETLAND	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
	DO-154-01			-71.30073	+41.46732	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Atlantic Ocean	RCP		ELIPTICAL		36"-59"		SINGLE	
	DO-113-01			-71.29711	+41.47584	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Atlantic Ocean	OTHER	Cut Stone	BOX		36"-59"		SINGLE	
	DO-096-01			-71.29700	+41.48280	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Atlantic Ocean	OTHER	VC	CIRCULAR		12"-35"		SINGLE	
	DO-083-01			-71.29643	+41.48672	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
	DO-083-02			-71.29700	+41.48715	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
	DO-083-03			-71.29740	+41.48797	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
	DO-075-01			-71.29766	+41.48859	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
	DO-075-02			-71.29848	+41.49067	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
	DO-068-01			-71.29893	+41.49259	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
	DO-060-01			-71.29925	+41.49402	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		36"-59"		SINGLE	
	DO-060-02			-71.29916	+41.49407	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
	DO-060-03			-71.29918	+41.49407	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
	DO-060-04			-71.29920	+41.49407	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
	DO-061-01			-71.29821	+41.49414	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
	DO-061-02			-71.29750	+41.49422	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
	DO-061-03			-71.29680	+41.49425	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
	DO-062-01			-70.29680	+41.49426	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	

Name of Town: Newport

Outfall Inspection - Jan 1-April 30				Illicit Discharge Flow Measurement				Visual Observation														Field Analysis					
Outfall ID	Date of Inspection	Time	Inspector(s)	Flow Type	Width of Water Surface(ft)	Approx Depth of Water (ft)	Approx Flow Velocity (ft/sec)	Immediate Surrounding Land Use	If Other	Odor	If Other	Color	If Other	Floatables	If Other	Staining	If Other	Clarity	Vegetation/Algae Growth	Sedimentation	Scouring	Water Temp.	Units	pH	Conductivity	Bacteria	Units
DO-043-01	2/6/2023	2:33 PM	DB + EL	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	YES	NO						
DO-049-02	2/9/2023	10:27 AM	DB + EL	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-049-11	2/9/2023	10:22 AM	DB + EL	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-064-01	2/9/2023	1:45 PM	DB + EL	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	EXCESSIVE	YES	YES						
DO-064-02	2/10/2023	8:24 AM	DB + EL	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NORMAL	YES	YES						
DO-064-03	2/10/2023	8:40 AM	DB + EL	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-070-02	2/10/2023	8:53 AM	DB + EL	NONE				COMMERCIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-071-01	2/10/2023	10:06 AM	DB + EL	NONE				COMMERCIAL		NONE		NONE		NONE		NONE		NONE	NONE	YES	YES						
DO-071-02	2/10/2023	10:07 AM	DB + EL	NONE				COMMERCIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-071-03	2/10/2023	10:11 AM	DB + EL	NONE				COMMERCIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-079-01	3/9/2023	2:08 PM	RN	MODERATE	0.50	0.08	5	COMMERCIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO	9.6	c	7.74	6.18 mS	<10	MPN
DO-079-02	3/9/2023	2:10 PM	RN	MODERATE	1.00	0.10	10	COMMERCIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO	9.7	c	7.56	5.54 mS	<10	MPN
DO-079-03	2/10/2023	1:50 PM	DB + EL	NONE				COMMERCIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-086-01	2/13/2023	8:16 AM	DB + EL	NONE				COMMERCIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-092-2	2/13/2023	8:57 AM	DB + EL	NONE				COMMERCIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-099-01	2/13/2023	9:58 AM	DB + EL	NONE				COMMERCIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-099-02	2/13/2023	10:04 AM	DB + EL	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NORMAL	YES	NO						
DO-099-03	2/13/2023	10:07 AM	DB + EL	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NORMAL	NO	NO						
DO-109-01	2/13/2023	10:28 AM	DB + EL	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NORMAL	YES	NO						
DO-109-02	2/13/2023	10:26 AM	DB + EL	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-108-01	2/13/2023	10:17 AM	DB + EL	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-116-01	2/13/2023	11:04 AM	DB + EL	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-144-01	2/14/2023	9:30 AM	DB + EL	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-166-01	2/15/2023	10:01 AM	DB + EL	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NORMAL	YES	YES						
DO-177-01	2/15/2023	10:14 AM	DB + EL	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NORMAL	YES	NO						
DO-186-01	3/9/2023	11:06 AM	RN	MODERATE	0.50	0.08	5	RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO	10.0	c	7.19	488 µS	10	MPN
DO-190-01	2/16/2023	8:57 AM	DB + EL	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-190-02	2/16/2023	8:55 AM	DB + EL	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-151-01	2/14/2023	10:00 AM	DB + EL	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-151-02	2/14/2023	10:02 AM	DB + EL	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-184-01	2/15/2023	11:17 AM	DB + EL	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-163-01	2/15/2023	9:09 AM	DB + EL	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-164-01	2/15/2023	9:42 AM	DB + EL	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-152-01	2/14/2023	11:05 AM	DB + EL	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-152-02	2/14/2023	10:35 AM	DB + EL	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-152-03	2/14/2023	10:28 AM	DB + EL	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-154-01	2/14/2023	11:17 AM	DB + EL	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	YES						
DO-113-01	2/13/2023	10:43 AM	DB + EL	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-096-01	2/13/2023	9:12 AM	DB + EL	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-083-01	2/10/2023	1:14 PM	DB + EL	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-083-02	2/10/2023	1:11 PM	DB + EL	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NORMAL	YES	NO						
DO-083-03	2/10/2023	1:09 PM	DB + EL	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	EXCESSIVE	YES	NO						
DO-075-01	2/10/2023	10:42 AM	DB + EL	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NORMAL	NO	NO						
DO-075-02	2/10/2023	10:37 AM	DB + EL	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-068-01	2/10/2023	10:28 AM	DB + EL	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-060-01	3/9/2023	10:20 AM	RN	SUBSTANTIAL	2.00	1.00	10	RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	YES	12.0	c	6.95	454 µS	857	MPN
DO-060-02	3/9/2023	10:12 AM	RN	SUBSTANTIAL	1.50	0.50	8	RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	EXCESSIVE	NO	YES	11.6	c	7.50	372 µS	41	MPN
DO-060-03	3/9/2023	10:26 AM	RN	SUBSTANTIAL	1.00	0.50	5	RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	EXCESSIVE	YES	YES	11.5	c	7.15	371 µS	75	MPN
DO-060-04	3/9/2023	10:28 AM	RN	MODERATE	1.00	0.30	3	RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NORMAL	NO	YES	11.1	c	7.17	370 µS	20	MPN
DO-061-01	2/9/2023	1:18 PM	DB + EL	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	YES						
DO-061-02	2/9/2023	1:20 PM	DB + EL	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	YES	YES						
DO-061-03	2/9/2023	1:23 PM	DB + EL	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	YES	YES						
DO-062-01	2/9/2023	1:29 PM	DB + EL	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						

Name of Town: Newport

Outfall Inspection - July 1 - Oct 31				Illicit Discharge Flow Measurement				Visual Observation													Field Analysis					
Outfall ID	Date of Inspection	Time	Inspector(s)	Flow Type	Width of Water Surface(feet)	Approx Depth of Water (feet)	Approx Flow Velocity	Immediate Surrounding Land Use	If Other	Odor	If Other	Color	If Other	Floatables	If Other	Staining	If Other	Clarity	Vegetation/ Algae Growth	Sedimentation	Scouring	Water Temp.	Units	pH	Conductivity	Bacteria	Units
DO-043-01	10/16/2023	2:16PM	RN	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	YES	NO						
DO-049-02	10/16/2023	2:21PM	RN	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-049-11	10/16/2023	2:18PM	RN	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-064-01	10/16/2023	2:25PM	RN	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	EXCESSIVE	YES	YES						
DO-064-02	10/16/2023	2:30PM	RN	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NORMAL	YES	YES						
DO-064-03	10/16/2023	2:36PM	RN	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-070-02	10/16/2023	2:41PM	RN	NONE				COMMERCIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-071-01	10/17/2023	8:56AM	RN	NONE				COMMERCIAL		NONE		NONE		NONE		NONE		NONE	NONE	YES	YES						
DO-071-02	10/17/2023	8:57AM	RN	NONE				COMMERCIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-071-03	10/17/2023	9:00AM	RN	NONE				COMMERCIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-079-01	10/16/2023	2:44PM	RN	MODERATE	1.00	0.25	10	COMMERCIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO	17.8	c	7.10	8.76 mS	<10	MPN
DO-079-02	10/16/2023	2:45PM	RN	SUBSTANTIAL	1.00	0.50	12	COMMERCIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO	17.6	c	7.30	5.63 mS	>24,196	MPN
DO-079-03	10/16/2023	2:46PM	RN	MODERATE	0.75	0.25	8	COMMERCIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO	16.6	c	7.00	18.62 mS	173	MPN
DO-086-01	10/17/2023	9:04AM	RN	NONE				COMMERCIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-092-2	10/17/2023	9:08AM	RN	NONE				COMMERCIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-099-01	10/17/2023	9:11AM	RN	NONE				COMMERCIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-099-02	10/17/2023	9:15AM	RN	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NORMAL	YES	NO						
DO-099-03	10/17/2023	9:20AM	RN	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NORMAL	NO	NO						
DO-109-01	10/17/2023	9:25AM	RN	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NORMAL	YES	NO						
DO-109-02	10/17/2023	9:26AM	RN	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-108-01	10/17/2023	9:30AM	RN	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-116-01	10/17/2023	9:33AM	RN	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-144-01	10/17/2023	12:18PM	KN	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-166-01	10/17/2023	11:27AM	KN	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NORMAL	YES	YES						
DO-177-01	10/17/2023	12:09PM	KN	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NORMAL	YES	NO						
DO-186-01	10/17/2023	12:14PM	KN	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-190-01	10/17/2023	11:09AM	KN	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-190-02	10/17/2023	11:08AM	KN	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-151-01	10/17/2023	10:52AM	KN	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-151-02	10/17/2023	10:49AM	KN	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-184-01	10/17/2023	10:31AM	KN	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-163-01	10/17/2023	10:16AM	KN	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-164-01	10/16/2023	1:25PM	KN	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-152-01	10/16/2023	1:39PM	KN	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-152-02	10/16/2023	1:16PM	KN	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-152-03	10/16/2023	1:06Pm	KN	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-154-01	10/17/2023	10:00AM	KN	TRICKLE	0.33	0.08	3	RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	YES	17.5	c	8.70	1350 µS	5,794	MPN
DO-113-01	10/17/2023	9:47AM	KN	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-096-01	10/17/2023	9:28AM	KN	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-083-01	10/16/2023	3:02PM	KN	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-083-02	10/16/2023	2:54PM	KN	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NORMAL	YES	NO						
DO-083-03	10/16/2023	2:49PM	KN	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	EXCESSIVE	YES	NO						
DO-075-01	10/16/2023	2:44PM	KN	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NORMAL	NO	NO						
DO-075-02	10/16/2023	2:33PM	KN	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-068-01	10/16/2023	2:19PM	KN	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						
DO-060-01	10/16/2023	9:29AM	KN	MODERATE	1.50	1.00	10	RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	YES	16.3	c	7.10	381 µS	3,448	MPN
DO-060-02	10/16/2023	9:39AM	KN	TRICKLE	1.00	0.50	5	RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	EXCESSIVE	NO	YES	17.4	c	7.60	385 µS	855	MPN
DO-060-03	10/16/2023	9:38AM	KN	TRICKLE	0.75	0.33	3	RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	EXCESSIVE	YES	YES	16.9	c	7.50	400 µS	1,317	MPN
DO-060-04	10/16/2023	9:33AM	KN	MODERATE	1.00	0.50	5	RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NORMAL	NO	YES	17.0	c	7.50	309 µS	2,382	MPN
DO-061-01	10/16/2023	9:47AM	KN	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	YES						
DO-061-02	10/16/2023	9:52AM	KN	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	YES	YES						
DO-061-03	10/16/2023	10:03AM	KN	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	YES	YES						
DO-062-01	10/16/2023	2:07PM	KN	NONE				RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO						