



THE CITY OF NEWPORT, RHODE ISLAND - AMERICA'S FIRST RESORT
DEPARTMENT OF UTILITIES

Julia A. Forgue, PE
Director

March 9, 2015

Ms. Margarita Chatterton
RI Department of Environmental Management
Office of Water Resources/RIPDES Program
235 Promenade Street
Providence, RI 02908

RE: City of Newport – RIPDES Small MS4 2014 Annual Report

Dear Ms. Chatterton,

Enclosed is the RIPDES Small MS4 2014 Annual Report for the City of Newport.

Please do not hesitate to contact me should you have any concerns or questions.

Very Truly Yours,

Julia A. Forgue, P.E.
Director of Utilities

cc: Robert C. Schultz, Deputy Utilities Director-Engineering
William Yost, Deputy Utilities Director - Finance
William G. Boardman, City Engineer
Paul Finn, Engineering



RIPDES SMALL MS4 ANNUAL REPORT
GENERAL INFORMATION PAGE

RIPDES PERMIT #RIR040009

REPORTING PERIOD: **X YEAR 11**
Jan 2014-Dec 2014

OPERATOR OF MS4

Name: United Water			
Mailing Address: 250 Connell Highway			
City: Newport	State: RI	Zip: 02840	Phone: (401) 845-2000
Contact Person: Stephen Cushing	Title: Systems Managers		
	Email: Stephen.cushing@unitedwater.com		
Legal status (circle one):			
PRI - Private	<u>PUB - Public</u>	BPP - Public/Private	STA - State FED - Federal
Other (please specify):			

OWNER OF MS4 (if different from OPERATOR)

Name: City of Newport			
Mailing Address: 70 Halsey Street			
City: Newport	State: RI	Zip: 02840	Phone: (401) 845-5600
Contact Person: Julia A. Forgue, P.E.	Title: Director of Utilities		
	Email: JForgue@cityofnewport.com		

CERTIFICATION

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

Print Name Joseph J. Nicholson, Jr., Esq.

Print Title Interim City Manager

Signature Date 3/9/15



MINIMUM CONTROL MEASURE #1:

PUBLIC EDUCATION AND OUTREACH (Part IV.B.1 General Permit)

SECTION I. OVERALL EVALUATION:

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

Include information relevant to the implementation of each measurable goal, such as activities, topics addressed, audiences and pollutants targeted. Discuss activities to be carried out during the next reporting cycle. If addressing TMDL requirements, please indicate rationale for choosing the education activity to address the pollutant of concern.

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

IV.B.1.b.1	Provide a General Summary of activities implemented to educate your community on how to reduce stormwater pollution. For TMDL affected areas, with stormwater associated pollutants of concern, indicate rationale for choosing the education activity. List materials used for public education and topics addressed. Summarize implementation status and discuss if the activity is appropriate and effective.
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The Department of Utilities maintains educational information concerning storm drainage on the City's website including applicable reports, links to informational websites, and calendars of upcoming meetings and activities. A brochure entitled "Make your home the Solution to Stormwater Pollution" is available and handed out to residents. Topics include Vehicle/Garage practices, Lawn/garden usage, Home Repair/Improvements, Pet Care, Swimming Pool Maintenance and Septic System Use and Maintenance. The City has contracted for ongoing development of printed material for distribution to residents, businesses, commercial landscapers, and schools that identifies the impact phosphorus has on the environment and Almy Pond specifically, along with development of graphic, tabular, and illustrative material for the City's website Portal for Almy Pond.

IV.B.1.b.2	Provide a general summary of how the public education program was used to educate the community on how to become involved in the municipal or statewide stormwater program. Describe partnerships with governmental and non-governmental agencies used to involve your community.
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In 2007 a seven member ad-hoc committee on wastewater and stormwater system improvements was formed. This committee is made up of private citizens and reports to the City Council. The goals of this committee are to assist in public education and awareness, outreach, and also to advise and assist the city council on matters concerning proposed storm and sanitary wastewater improvements. The committee meets regularly and prepares semi-annual reports to the City Council.

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

Additional Measurable Goals and Activities: Please list all stormwater training attended by your staff during the 2014 calendar year and list the name(s) and municipal position of all staff who attended the training.

Trainings:

J R Frey, Water Pollution Control Engineer, attended Global Waste Management Symposium 2014, and gave a presentation entitled "Improving Stormwater Compliance through Targeted Infrastructure Improvements." The presentation focused on improving stormwater compliance at industrial facilities which are permitted for discharge under the EPA's MSGP. J R also attended sessions on "Potential Impacts of Federal Regulations/TMDLs and USEPA Stormwater Rules on Surface Water Discharges," and "Case Study Results - Use of An Alternative Passive Treatment System to Remove Silt and Clay Particles from Stormwater Discharges."

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



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

SECTION I. OVERALL EVALUATION:

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

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

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

IV.B.2.b.2.ii	Describe audiences targeted for the public involvement minimum measure, include a description of the groups engaged, and activities implemented and if a particular pollutant(s) was targeted. If addressing TMDL requirements indicate how the audience(s) and/or activity address the pollutant(s) of concern. Name of person(s) and/or parties responsible for implementation of activities identified. Assess the effectiveness of BMP and measurable goal.
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- In 2007 a seven member ad-hoc committee on wastewater and stormwater system improvements was formed. This committee is made up of private citizens and reports to the City Council. The goals of this committee are to assist in public education and awareness, outreach, and also to advise and assist the city council on matters concerning proposed storm and sanitary wastewater improvements. The committee meets regularly and prepares semi-annual reports to the City Council. The committee was tasked in December to consider new ways to utilize green infrastructure.
- As part of the installation of a UV Treatment system to be operated at the Easton Pond drainage moat outfall to Eastons Beach two public hearings had been conducted in 2009. Additional public comment was solicited during CRMC permitting of the project in 2010. The UV Treatment System construction project was started in the fall of 2010. Construction and startup of the system was completed in the Spring of 2011 and has operated through 2014.
- The City has contracted for ongoing development of printed material for distribution to residents, businesses, commercial landscapers, and schools that identifies the impact phosphorus has on the environment and Almy Pond specifically, along with development of graphic, tabular, and illustrative material for the City's website Portal for Almy Pond.

Additional Measurable Goals and Activities

The 2014 Annual MS4 Report was Advertised on February 13, 2015.

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

Clean-up Activities – Clean-up activities were conducted at the following locations during The City of Newport's annual Earth Day Cleanup: Downtown Newport, Ocean Drive, Miantonomi Memorial Park, Sunset Hill, Off Broadway Neighborhoods, Battery and Storer Parks, Point Neighborhood, Hunter Park, Arnold Park, Brenton Point State Park to Castle Hill, Kings Park, Railroad Tracks, Easton's Beach, Ballard Park, Morton Park, Cliff Walk from Ocre Point to Memorial Blvd, and Shoreline Fishing Access Points. These events held on April 12 to April 26, 2014.

Household Hazardous Waste Collection Day- A Public Collection of Household Hazardous Waste was held on September 27, 2014. A total of 25,632 pounds of household hazardous waste was disposed of, including 30 pounds of mercury, 800 pounds of fluorescent bulbs, 175 pounds of CFL bulbs, and 22 pounds of sharps.

The City collected 49.1 tons of mixed recyclables on Spring and Fall Recycling Days, and 2 November 'Bye-Bye Bins and Barrels events.

The City disposed of 0.61 tons of used motor oil from its collection igloo at City yard.

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

Date of Public Notice: 2/13/15	How public was notified: Legal Ad placed in Local Newspaper, City Website
Was public meeting held? YES <input type="radio"/> NO <input checked="" type="radio"/>	
Date:	Where:
Summary of public comments received: No comments received.	
Planned responses or changes to the program: None.	



**MINIMUM CONTROL MEASURE #3:
ILLICIT DISCHARGE DETECTION AND ELIMINATION (Part IV.B.3 General Permit)**

SECTION I. OVERALL EVALUATION:

GENERAL SUMMARY, STATUS, APPROPRIATENESS AND EFFECTIVENESS OF MEASURABLE GOALS	
<p>Include information relevant to the implementation of each measurable goal, such as activities implemented (when reporting tracked and eliminated illicit discharges, please explain the rationale for targeting the illicit discharge) to comply with on-going requirements, and illicit discharge public education activities, audiences and pollutants targeted. Discuss activities to be carried out during the next reporting cycle. If addressing TMDL requirements, please indicate rationale for the activities chosen to address the pollutant of concern.</p> <p>(Note: Identify parties responsible for achieving the measurable goals and reference any reliance on another entity for achieving measurable goals.)</p>	
IV.B.3.b.1:	<p>Indicate if the outfall map was not completed, reasons why, proposed schedule for completion of requirement and person(s)/ Department responsible for completion. (The Department recommends electronic submission of updated EXCEL Tables if this information has been amended.)</p> <p>Date of Completion:</p>
<p>A map generated from ArcView software was completed and submitted to RIDEM for reporting YEAR 1. This map shows the location of all outfalls with corresponding ID# and the name of receiving waters.</p> <p>The Outfall Location Excel table was updated and resubmitted to RIDEM in January 2010. No changes have occurred.</p>	
IV.B.3.b.2	<p>Indicate if your municipality chose to implement the tagging of outfalls activity under the IDDE minimum measure, activities and actions undertaken under the 2014 calendar year.</p>
<p>Not Applicable – This was an optional activity if GIS maps are being used.</p>	
IV.B.3.b.3	<p>Provide a summary of the implementation of recording of system additional elements (catch basins, manholes, and/or pipes). Indicate if the activity was implemented as a result of the tracing of illicit discharges, new MS4 construction projects, and inspection of catch basins required under the IDDE and Pollution Prevention and Good Housekeeping Minimum Measures, and/or as a result of TMDL related requirements and/or investigations. Assess effectiveness of the program minimizing water quality impacts.</p>
<p>The GIS mapping system is updated yearly from data generated by collections system staff. These updates are results of catch basin inspections and cleaning. Work sheets completed during inspections are then compared to GIS data and corrected if necessary, re: incoming line size and location, depth, outgoing line size and location, number of lines etc. Dye tests are also performed if need be to verify the origin of a line. Any basin or structures that may have been overlooked during development of the GIS system are added.</p>	
IV.B.3.b.4	<p>Indicate if the IDDE ordinance was not developed, adopted, and submitted to RIDEM, explain reasons why, submit proposed schedule for completion and identify person(s) / Department and/or parties responsible for the completion of this requirement.</p> <p>Date of Adoption: If the Ordinance was amended in 2014, please indicate why changes were necessary.</p>
<p>The IDDE ordinance was developed, adopted and submitted to RIDEM on October 11, 2006. There have been no amendments to this ordinance.</p>	
IV.B.3.b.5.ii, iii, iv, & v	<p>Provide a summary of the implementation of procedures for receipt and consideration of complaints, tracing the source of an illicit discharge, removing the source of the illicit discharge and program evaluation and assessment as a result of removing sources of illicit discharges. Identify person(s) / Department and/or parties responsible for the implementation of this requirement.</p>
<p>Calls are received at the treatment facility and are recorded on numbered call slips. Date, time, who answered the phone, name, address and phone number of complainant 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 Collection Systems Manager at United Water. Reports are generated and filed for each street location. RIDEM is also notified.</p>	

ILLICIT DISCHARGE DETECTION AND ELIMINATION cont'd

IV.B.3.b.5.vi	Provide summary of implementation of catch basin and manhole inspections for illicit connections and non-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.
All catch basins and manhole inspections are initially completed in conjunction with the application of the West Nile Virus larvicide. Any evidence of flow, discoloration or debris are further investigated by members of the collection system staff and overseen by the Maintenance Director and/or Project Manager. Each basin and manhole is identified and tracked by a numbering system in the GIS software. Pictures and reports are stored on an external hard drive in the United Water Maintenance Director's office. A total of 1,609 catch basins were cleaned during 2014.	
IV.B.3.b.5.vii	If dry weather surveys including field screening for non-stormwater flows and field tests of selected parameters and bacteria were not completed, indicate reasons why, proposed schedule for the completion of this measurable goal and person(s) / Department and/or parties for the completion of this requirement. Evaluate effectiveness of the implementation of this requirement. The results of the dry weather survey investigations must be submitted to RIDEM electronically, if not already submitted or if revised since 2009, in the RIDEM-provided EXCEL Tables and should include visual observations for all outfalls during both the high and low water table timeframes, as well as sample results for those outfalls with flow. The EXCEL Tables must include a report of all outfalls and indicate the presence or absence of dry weather discharges. Date of Completion:
Field screening and testing for dry weather flows had previously been completed for years 2006, 2007, 2008, 2010, 2011, 2012, 2013, and 2014. The RIDEM provided Excel Tables were resubmitted to RIDEM February 2015.	
Dry Weather Surveys were completed on April 27 th , May 1 st and 7 th , in the spring to meet the High Water Table Illicit Discharge requirement. The Low Water Table Illicit Discharge requirement was met with inspections and sampling occurring on August 24 th , and September 15 th , 19 th thru 22 nd , and 29 th of 2014. Sixteen samples were taken at ten outfalls during the spring round of inspections and sampling, the results of which are included in the tables. Twenty-four samples were taken at thirteen outfalls during the fall round of inspections and sampling. Bacterial counts exceeding typical stormwater system conditions were noted; in particular, outfall DO-113-01 evidenced significant bacteria counts in multiple sampling rounds. DO-113-01 has previously been evaluated for illicit connections and none were found. The results have been attributed to high level of wild animals in the collection system.	
IV.B.3.b.7	Provide a description of efforts and actions taken as a result of for coordinating with other physically interconnected MS4s, including State and federal owned or operated MS4s, when illicit discharges were detected or reported. Identify person(s) / Department and/or parties responsible for the implementation of this requirement. Evaluate effectiveness of the implementation of this requirement.
United Water has a strict Standard Operating Procedure (SOP), outlining steps to be taken for reporting any incident or illicit discharge. Staff is required to notify their immediate supervisor who then notifies RIDEM, the United Water 24-hour incident reporting hot-line and the City of Newport's Director of Utilities. The hot-line answering service will document and insure all steps in the SOP have been taken. An Environmental Incident Report (EIR) must then be completed and sent to the Area Manager and regional Safety Coordinator.	
IV.B.3.b.8	Provide a description of efforts and actions taken for the referral to RIDEM of non-stormwater discharges not authorized in accordance to Part I.B.3 of this permit or another appropriate RIPDES permit, which the operator has deemed appropriate to continue discharging to the MS4, for consideration of an appropriate permit. Identify person(s) / Department and/or parties responsible for the implementation of this requirement. Evaluate effectiveness of the implementation of this requirement.
Not Applicable	
IV.B.3.b.9	Provide a description of efforts and actions taken to inform public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste, as well as allowable non-stormwater discharges identified as significant contributors of pollutants. Include a description on how this activity was coordinated with the public education minimum measure and the pollution prevention/good housekeeping minimum measure programs. Identify person(s) / Department and/or parties responsible for the implementation of this requirement. Evaluate effectiveness of the implementation of this requirement.
A brochure entitled "Make your home the Solution to Stormwater Pollution" is available and handed out to residents. Topics include Vehicle/Garage practices, Lawn/garden usage, Home Repair/Improvements, Pet Care, Swimming Pool Maintenance and Septic System Use and Maintenance. Public employees including the stormwater collection crew are trained on an annual basis in accordance with Spill Prevention, Control and Countermeasure Plans and Hazardous Waste Contingency Plans.	



**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:	
<p>Include information relevant to the implementation of each measurable goal, such as activities implemented to support the review, issuance and tracking of permits, inspections and receipt of complaints. Discuss activities to be carried out during the next reporting cycle. If addressing TMDL requirements, please indicate rationale for the activities chosen to address the pollutant of concern.</p> <p>(Note: Identify parties responsible for achieving the measurable goals and reference any reliance on another entity for achieving measurable goals.)</p>	
IV.B.4.b.1	<p>Indicate if the Sediment and Erosion Control and Control of Other Wastes at Construction Sites ordinance was not developed, adopted, and submitted to RIDEM, explain reasons why, submit proposed schedule for completion and identify person(s) / Department and/or parties responsible for the completion of this requirement.</p> <p>Date of Adoption: If the Ordinance was amended in 2014, please indicate why changes were necessary. Please also indicate if amendments have been made based on the 2010 <i>RI Stormwater Design and Installation Standards Manual</i>, and provide references to the amended portions of the local codes/ordinances.</p>
<p>This program is managed by the City's Department of Utilities with assistance from the Building Inspections office.</p> <p>There were no changes to the Ordinance in 2014.</p>	
IV.B.4.b.6	Describe actions taken as a result of receipt and consideration of information submitted by the public.
<p>Public meetings are held for all significant projects in the City. Comments are received and addressed during this time.</p>	
IV.B.4.b.8	Describe activities and actions taken as a result of referring to the State non-compliant construction site operators. The operator may rely on the Department for assistance in enforcing the provisions of the RIPDES General Permit for Stormwater Discharges Associated with Construction Activity to the MS4 if the operator of the construction site fails to comply with the local and State requirements of the permit and the non-compliance results or has the potential to result in significant adverse environmental impacts.
<p>Staff shall notify RIDEM for continued failure to install or correct deficiencies in the installation or Operation and Maintenance of the approved plan.</p>	
Additional Measurable Goals and Activities	

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

# of Illicit Discharges Identified in 2014: 0	# of Illicit Discharges Tracked in 2014: 0
# of Illicit Discharges Eliminated in 2014: 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): 5	Total # of Illicit Discharges remaining unresolved at the end of 2014: 0
Summary of Enforcement Actions: Not Applicable.	
Extent to which the MS4 system has been mapped: The entire collection system is mapped on a GIS data system. Total # of Outfalls Identified and Mapped to date: 54	

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

Interconnection:	Date Found:	Location:	Name of Connectee:	Originating Source:	Planned and Coordinated Efforts and Activities with Connectee:

SECTION II. A - Plan and SWPPP/SESC Plan Reviews during Year 11 (2014), Part IV.B.4.b.2: Issuance of permits and/or implementation of policies and procedures for all construction projects resulting in land disturbance of greater than 1 acre. **Part IV.B.4.b.4:** Review 100% of plans and SWPPPs/SESC Plans for construction projects resulting in land disturbance of 1-5 acres must be conducted by adequately trained personnel and incorporate consideration of potential water quality impacts.

of Construction Reviews completed:
Summary of Reviews and Findings, include an evaluation of the effectiveness of the program. Identify person(s) /Department and/or parties responsible for the implementation of this requirement.
One review was completed in 2014, and one project was started in 2014.
The program is managed by the City's Department of Utilities with assistance from the Building Inspections office.

SECTION II.B - Erosion and Sediment Control Inspections during Year 11 (2014), Parts IV.G.2.n and IV.B.4.b.7: Inspection of 100% of all construction projects within the regulated area that discharge or have the potential to discharge to the MS4 (the program must include two inspections of all construction sites, first inspection to be conducted during construction for compliance of the Erosion and Sediment controls at the site, the second to be conducted after the final stabilization of the site).

# of Site Inspections:	# of Complaints Received:
# of Violations Issued:	# of Unresolved Violations Referred to RIDEM:
Summary of Enforcement Actions, include an evaluation of the effectiveness of the program. Identify person(s) /Department and/or parties responsible for the implementation of this requirement.	
Four inspections were performed during 2014. No Violations were found.	
The program is managed by the City's Department of Utilities with assistance from the Building Inspections office.	

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

SECTION II.A. - Plan and SWPPP/SESC Plan Reviews during Year 11 (2014), Part IV.B.5.b.4: Review 100% of post-construction BMPs for the control of stormwater runoff from new development and redevelopment projects that result in discharges to the MS4 which incorporates consideration of potential water quality impacts (the program requires reviewing 100% of plans for development projects greater than 1 acre, not reviewed by other State programs).

of Post-Construction Reviews completed: 0
Summary of Reviews and Finding, include an evaluation of the effectiveness of the program. Identify person(s) /Department and/or parties responsible for the implementation of this requirement.

SECTION II.B. - Post Construction Inspections during Year 11 (2014), Parts IV.G.2.o and IV.B.5.b.10 - Proper Installation of Structural BMPs: Inspection of BMPs, to ensure these are constructed in accordance with the approved plans (the program must include inspection of 100% of all development greater than one acre within the regulated areas that result in discharges to the MS4 regardless of whom performs the review).

# of Site Inspections: 0	# of Complaints Received: 0
# of Violations Issued: 0	# of Unresolved Violations Referred to RIDEM: 0
Summary of Enforcement Actions:	

SECTION II.C. - Post Construction Inspections during Year 11 (2014), 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: 0	# of Complaints Received: 0
# of Violations Issued: 0	# of Unresolved Violations Referred to RIDEM: 0
Summary of Activities and Enforcement Actions. Evaluate the effectiveness of the Program in minimizing water quality impacts. Identify person(s) /Department and/or parties responsible for the implementation of this requirement.	



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

SECTION I. OVERALL EVALUATION:

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

Include information relevant to the implementation of each measurable goal, such as activities implemented to support the review, issuance and tracking of permits, inspections and receipt of complaints, etc. Please indicate if any projects have incorporated the use of Low Impact Development techniques. Discuss activities to be carried out during the next reporting cycle. If addressing TMDL requirements, please indicate rationale for the activities chosen to address the pollutant of concern.

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

IV.B.5.b.5	Describe activities and actions taken to coordinate with existing State programs requiring post-construction stormwater management.
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The City shall coordinate with all existing RIPDES programs to effectively administer the program.

IV.B.5.b.6	Describe actions taken for the referral to RIDEM of new discharges of stormwater associated with industrial activity as defined in RIPDES Rule 31(b)(15) (the operator must implement procedures to identify new activities that require permitting, notify RIDEM, and refer facilities with new stormwater discharges associated with industrial activity to ensure that facilities will obtain the proper permits).
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The City does not believe it has any facilities which fall under this category of industrial activity. If there is a project proposed for the City, staff will direct the facility to apply directly to the applicable RIPDES or UIC staff for approval.

IV.B.5.b.9	Indicate if the Post-Construction Runoff from New Development and Redevelopment Ordinance was not developed, adopted, and submitted to RIDEM, explain reasons why, submit proposed schedule for completion and identify person(s) / Department and/or parties responsible for the completion of this requirement. Date of Adoption: If the Ordinance was amended in 2014, please indicate why changes were necessary. Please also indicate if amendments have been made based on the 2010 <i>RI Stormwater Design and Installation Standards Manual</i> , and provide references to the amended portions of the local codes/ordinances.
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The Post-Construction Runoff from New Development and Redevelopment Ordinance was developed, adopted and submitted to RIDEM on December 10, 2008.

There were no changes to the Ordinance in 2014.

IV.B.5.b.12	Describe activities and actions taken to identify existing stormwater structural BMPs discharging to the MS4 with a goal of ensuring long term O&M of the BMPs.
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Two new BMPs were installed in 2014; the Cliffwalk Restroom sand filters, and the McCormick Road Deep Sumps. O&M manuals for the BMPs were provided as part of the contract. An inspection and maintenance schedule will be incorporated into the annual infrastructure inspection and maintenance schedule. The BMPs will be administered by the Department of Utilities upon completion of the construction contract implemented by the Department of Public Services.

Additional Measurable Goals and Activities



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

SECTION I. OVERALL EVALUATION:

GENERAL SUMMARY, STATUS, APPROPRIATENESS AND EFFECTIVENESS OF MEASURABLE GOALS:	
<p>Include information relevant to the implementation of each measurable goal, such as activities and practices used to address on-going requirements, and personnel responsible. Discuss activities to be carried out during the next reporting cycle. If addressing TMDL requirements, please indicate rationale for the activities chosen to address the pollutant of concern.</p> <p>(Note: Identify parties responsible for achieving the measurable goals and reference any reliance on another entity for achieving measurable goals.)</p>	
IV.B.6.b.1.i	<p>Describe activities and actions taken to identify structural BMPs owned or operated by the small MS4 operator (the program must include identification and listing of the specific location and a description of all structural BMPs in the SWMPP and update the information in the Annual Report). Evaluate appropriateness and effectiveness of this requirement.</p> <p>The City of Newport owns and operates two structural BMP's. GIS mapping is updated regularly and structural BMP's will be added as placed into service. Additionally, one structural BMP is installed and operated by the Newport Housing Authority.</p>
IV.B.6.b.1.ii	<p>Describe activities and actions taken for inspections, cleaning and repair of detention/retention basins, storm sewers and catch basins with appropriate scheduling given intensity and type of use in the catchment area. Evaluate appropriateness and effectiveness of this requirement.</p> <p>The Malbone Paved channel is inspected for obstructions and cleaned of growth and debris on a quarterly basis. This open channel takes storm flow from Hillside Avenue area in the northern part of the city and connects into the State of Rhode Island's storm swale system which eventually discharges into Coasters Harbor. In 2014 the City and RIDOT discussed the condition and maintenance of these systems.</p>
IV.B.6.b.1.iii	<p>Describe activities and actions taken to support the requirement of yearly inspection and cleaning of all catch basins (a lesser frequency of inspection based on at least two consecutive years of operational data indicating the system does not require annual cleaning might be acceptable). Evaluate appropriateness and effectiveness of this requirement.</p> <p>Total # of CBs within regulated area (including SRPW and TMDL areas): 165</p> <p>Total # of CBs inspected in 2014: 2,852 CB inspections were conducted in 2014.</p> <p>Total # of CBs cleaned in 2014: A total of 1,609 CBs were cleaned; 1,244 by hand and 365 by vacuum truck.</p> <p>Each basin is individually inspected during the application of the West Nile Virus larvicide. Basins in need of immediate cleaning are recorded and are cleaned. Other than basins identified during this process, the city is broken down into 36 grids on the GIS map and at least one grid is cleaned each month with all basins scheduled to be cleaned at least once every three years. Basins in low lying areas are also checked more frequently and cleaned as needed.</p>
IV.B.6.b.1.iv	<p>Describe activities and actions taken to minimize erosion of road shoulders and roadside ditches by requiring stabilization of those areas. Evaluate appropriateness and effectiveness of this requirement.</p> <p>Responsibility for erosion of road shoulders and roadside ditches is a shared responsibility with the Department of Utilities and the Department of Public Services road crews. Erosion is addressed by numerous methods, including installing new loam and seed (including the use of temporary erosion control), installing or repairing asphalt berms and or curbing, and performing maintenance activities in drainage swales.</p>
IV.B.6.b.1.v	<p>Describe activities and actions taken to identify and report known discharges causing scouring at outfall pipes or outfalls with excessive sedimentation, for the Department to determine on a case-by-case basis if the scouring or sedimentation is a significant and continuous source of sediments. Evaluate appropriateness and effectiveness of this requirement.</p>



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

SECTION I. If you have been notified that discharges from your MS4 require non-structural or structural stormwater controls based on an approved TMDL or other water quality determination, please provide an assessment of the progress towards meeting the requirements for the control of stormwater identified in the approved TMDL (Part IV.G.2.d). Please indicate rationale for the activities chosen to address the pollutant of concern.

The City was formally notified of an approved TMDL for Almy Pond on November 14, 2007. Previously the City had attended a public stakeholder meeting concerning this topic on April 24, 2007. The plan addresses phosphorous related impairments to the pond. The plan requires the City submit an amendment to its SWMPP to address the TMDL provisions within 180 days of the notice. The City submitted the required SWMPP amendments on May 13, 2008. RIDEM responded to the SWMPP amendment on

January 13, 2009, and required an additional revision of the SWMPP and proposed scope of work in order to come into compliance with water quality restoration plan included in the TMDL report. The revised Program Plan was submitted to RIDEM in March, 2009, and includes additional source characterization and identification, such as shoreline surveys, wet-weather sampling, and sediment and pond sampling. In its efforts to assist the RIDEM in this report, the City had previously inspected all the tributary drainage systems and found no cross connections attributable to this pond. The City had also performed an inspection of its two pump stations adjacent to the pond and found no evidence of leakage or overflows from either pump station.

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

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

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

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

POLLUTION PREVENTION AND GOOD HOUSEKEEPING IN MUNICIPAL OPERATIONS cont'd

All new projects require the design engineer to attempt to reduce flow volume and rate from existing site conditions for the project, with a City goal of 50% reduction being requested. Water quality improvement is also required. Under the City's zoning ordinance all new projects are required to prepare stormwater management plans under the direction of a professional engineer and shall at a minimum conform to the current edition of the RIDEM "Rhode Island Stormwater Design & Installation Standards Manual".

Additional Measurable Goals and Activities

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

BMP ID:	Location:	Name of BMP Owner/Operator:	Description of BMP:
Newport Housing	Intersection of Hillside & Maple Avenues	Trinity Financial	Vortechnic device to reduce TSS and contain spills
Cliffwalk Restroom Sand Filters	Cliffwalk Restroom Area	City of Newport	Sand Filters for area stormwater treatment.

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:
Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

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

The City is currently incorporating deep sump catch basins into infrastructure projects for the repair and replacement of infrastructure which has reached the end of its useful life, or is failing. As part of this effort, the City is also eliminating unscreened curb inlets which result in animal access and significant debris accumulation within structures.

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).

POLLUTION PREVENTION AND GOOD HOUSEKEEPING IN MUNICIPAL OPERATIONS cont'd

<p>Inspections of all outfalls are completed annually. No anomalies of pipe scouring or extraordinary sedimentation deposits were noted.</p>	
IV.B.6.b.1.vi	<p>Indicate if all streets and roads within the urbanized area were swept annually and if not indicate reason(s). Evaluate appropriateness and effectiveness of this requirement.</p> <p>Total roadway miles within regulated area (including SRPW and TMDL areas): 5</p> <p>Total roadway miles that were swept in 2014: 180</p>
<p>A sweeping of the entire city was completed once in 2014, (approximately 94 road miles). An additional 76 miles of sweeping was completed as needed. Areas within the regulated TMDL were swept twice during 2014. Approximately 609 tons of debris was removed from the streets of Newport.</p>	
IV.B.6.b.1.vii	<p>Describe activities and actions taken for controls to reduce floatables and other pollutants from the MS4. Evaluate appropriateness and effectiveness of this requirement.</p>
<p>Under the city's Solid Waste Master Contract, the contractor is required to collect trash from all the city owned streets and park barrels. The barrels are emptied twice a day April 1st through October 31st and once a day November 1st through March 31st. The city, through its Solid Waste Master Contract also provides daily litter clean up in various downtown streets, seven days a week from May 1st through October 31st.</p> <p>The City has installed "Big Belly" solar-powered compacting trash bins in high pedestrian traffic areas of the city. These bins are monitored remotely and are picked up on an as-needed basis when they signal they are full. The "Big Belly" bins also feature an enclosed hopper, preventing loss of waste to scavengers, and a reduction of waste exposed to stormwater.</p>	
IV.B.6.b.1.viii	<p>Describe the method for disposal of waste removed from MS4s and waste from other municipal operations, including accumulated sediments, floatables and other debris and methods for record-keeping and tracking of this information.</p>
<p>All grit and debris is disposed of at Rhode Island Resource Recovery and weight slips are kept on file.</p>	
IV.B.6.b.4 and IV.B.6.b.5	<p>Describe and indicate activities and corrective actions for the evaluation of compliance. This evaluation must include visual quarterly monitoring; routine visual inspections of designated equipment, processes, and material handling areas for evidence of, or the potential for, pollutants entering the drainage system or point source discharges to a waters of the State; and inspection of the entire facility at least once a year for evidence of pollution, evaluation of BMPs that have been implemented, and inspection of equipment. A Compliance Evaluation report summarizing the scope of the inspection, personnel making the inspection, major observations related to the implementation of the Stormwater Management Plan (formerly known as a Stormwater Pollution Prevention Plan), and any actions taken to amend the Plan must be kept for record-keeping purposes.</p>
<p>A comprehensive data base is kept at the City of Newport's WPCF indicating activities and corrective actions taken. Monthly reporting is prepared detailing all work completed.</p>	
IV.B.6.b.6	<p>Describe all employee training programs used to prevent and reduce stormwater pollution from activities such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and stormwater system maintenance for the past calendar year, including staff municipal participation in the URI NEMO stormwater public education and outreach program and all in-house training conducted by municipality or other parties. Evaluate appropriateness and effectiveness of this requirement.</p>
<p>All employees are trained in chemical handling, spill response, hazard communications and all trucks carry spill kits.</p>	
IV.B.6.b.7	<p>Describe actions taken to ensure that new flow management projects undertaken by the operator are assessed for potential water quality impacts and existing projects are assessed for incorporation of additional water quality protection devices or practices. Evaluate appropriateness and effectiveness of this requirement.</p>



SPECIAL RESOURCE PROTECTION WATERS (SRPWs)

SECTION I. In accordance with Rule 31(a)(5)(i)G of the *Regulations for the Rhode Island Pollutant Discharge Elimination System (RIPDES Regs)*, on or after March 10, 2008, any discharge from a small municipal separate storm sewer system to any Special Resource Protection Waters (SRPWs) or impaired water bodies within its jurisdiction must obtain permits if a waiver has not been granted in accordance to Rule 31(g)(5)(iii). A list of SRPWs can be found in Appendix D of the *RIDEM Water Quality Regulations* at this link:

<http://www.dem.ri.gov/pubs/regs/regs/water/h20q09a.pdf>

The 2008 303(d) Impaired Waters list can be found in Appendix G of the *2008 Integrated Water Quality Monitoring and Assessment Report* at this link: <http://www.dem.ri.gov/programs/benviron/water/quality/pdf/iwqmon08.pdf>

If you have discharges from your MS4 (regardless of its location) to any of the listed SRPWs or impaired waters (including impaired waters when a TMDL has not been approved), please provide an assessment of the progress towards expanding the MS4 Phase II Stormwater Program to include the discharges to the aforementioned waters and adapting the Six Minimum Control Measures to include the control of stormwater in these areas. Please indicate a rationale for the activities chosen to protect these waters. Please note that all of the measurable goals and BMPs required by the 2003 MS4 General Permit may not be applicable to these discharges.

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

acknowledging."

Holmes had a start as ideal as the myself it was a great week for me, and I The went to the tour's chiropractor, about the weather or his game.

Southern Rhode Island's CLASSIFIED MARKETPLACE

<p>3-Legals</p>	<p>3-Legals</p>	<p>3-Legals</p>	<p>3-Legals</p>	<p>3-Legals</p>	<p>3-Legals</p>	<p>3-Legals</p>	<p>3-Legals</p>	
<p>STATE OF RHODE ISLAND Probate Court of the Town of Jamestown</p> <p>NOTICE OF MATTERS PENDING AND FOR HEARING IN SAID COURT</p> <p>The court will be in session at Jamestown Town Hall 93 Narragansett Ave. on the dates specified in notices below at 2:00 PM for hearing said matters</p>	<p>NEWPORT, R.I. 02840</p> <p>PUBLIC NOTICE OF DRAFT PHASE II STORMWATER ANNUAL REPORT PREPARED IN ACCORDANCE WITH THE RHODE ISLAND POLLUTANT DISCHARGE ELIMINATION SYSTEM (RIPDES) PROGRAM GENERAL PERMIT FOR STORM WATER DISCHARGES FROM SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4) AND FROM INDUSTRIAL ACTIVITY AT ELIGIBLE FACILITIES OPERATED BY REGULATED SMALL MS4'S.</p> <p>DATE OF NOTICE: February 13, 2015</p> <p>RIPDES PERMIT NUMBER: RIR 040009</p> <p>NAME AND MAILING ADDRESS OF SMALL MS4 OPERATOR: United Water 250 Connell Highway Newport, RI 02840</p>	<p>Pursuant to the requirements established in the Rhode Island Pollutant Discharge Elimination System (RIPDES) General Permit for Storm Water Discharge from Small MS4s and from Industrial Activity at Eligible Facilities Operated by Regulated Small MS4s (General Permit), the City of Newport submitted an application package, including a Notice of Intent and Storm Water Management Program Plan (SWMPP) to the Rhode Island Department of Environmental Management (RIDEM) for authorization of the storm water discharges from the City of Newport MS4. In accordance with Part VI.E of the General Permit the operator must annually evaluate the compliance of the SWMPP with the conditions of the permit, as well as the appropriateness of the selected Best Management Practices and efforts towards achieving the Measurable Goals. An annual report prepared in accordance with Part IV.G of the general permit must be submitted to RIDEM by March 10th for each year after the permit is issued. Notice is hereby given of the intent to receive public comment and to hold a public hearing, if requested, on the City of Newport Phase II Storm Water Annual Report.</p> <p>FURTHER INFORMATION ABOUT THE ANNUAL DRAFT REPORT:</p> <p>Copies of the Phase II Storm Water Annual Report may be obtained at no cost by visiting the City's website at www.cityofnewport.com or writing or calling the Newport Department of Utilities as noted below:</p> <p>Julia A. Forgue, PE Director of Utilities 70 Halsey Street Newport, RI 02840 845-5600</p>	<p>The administrative record containing all documents is on file and may be inspected, by appointment, at the Department of Utilities office mentioned above between 8:30 a.m. and 4:00 p.m., Monday through Friday, except holidays.</p> <p>PUBLIC COMMENT AND REQUEST FOR PUBLIC HEARING:</p> <p>Pursuant to the requirements of the Phase II Small MS4 General Permit, a public hearing has been tentatively scheduled to consider the City of Newport's Phase II Storm Water Annual Report, if requested. Requests for a Public Hearing must be submitted in writing to the attention of Julia A. Forgue, Director of Utilities at the address indicated above. Notice should be taken that if the City of Newport receives a request from twenty-five (25) people, a governmental agency or subdivision, or an association having no</p>	<p>less than twenty-five (25) members on or before 4:00 PM, February 27, 2015, it requested the public hearing will be held at the following time and place:</p> <p>March 4, 2015 at 10:00am City of Newport Police Station Police Assembly Room 120 Broadway Newport, RI</p> <p>Interested persons should contact the City of Newport in advance to confirm if a hearing will be held at the time and location noted above.</p> <p>Interested parties may submit comments on the draft Annual Report and amendments to the SWMPP and the administrative record to the address above by the close of the public comment period which ends 4:00 PM March 4, 2015. Commenters may request a longer comment period if necessary to provide a reasonable opportunity to comply with these requirements.</p> <p>It, during the public comment period, significant comments are received concerning the draft Annual Report or amendments to the SWMPP, the CITY of Newport will provide a written response to comments to all persons that submitted comments and all members of the public that request a copy of the response. The response will include a final Annual Report and identify what changes to the SWMPP have been made, if any.</p> <p>FINAL ANNUAL REPORT AND AMENDMENTS TO THE SWMPP.</p> <p>Pursuant to the Phase II Small MS4 General Permit, the City of Newport will submit the final Annual Report and a copy of amendments to the SWMPP to the RIDEM. All records relating to this</p>	<p>permit are available for review by the public. The public may view the records during normal business hours at the address indicated above. Changes adding (but not subtracting or replacing) components of the SWMPP may be implemented immediately upon written notification to RIDEM. Unless denied, changes replacing ineffective or infeasible six minimum measure best management practices specifically identified in the SWMPP shall be deemed approved and may be implemented within sixty (60) days from submittal of the request. Changes replacing ineffective or infeasible storm water control specifically identified in the SWMPP or in an approved scope of work intended to meet the requirements of a Total Maximum Daily Load (TMDL) or other Water Quality Determination may be implemented only upon receipt of written approval from RIDEM.</p> <p>February 11, 2015</p> <p>Julia A. Forgue, PE Director of Utilities Newport, RI 02840</p>	<p>NOTICE</p> <p>Notice is hereby given that there will be a meeting of the City of Newport Historic District Commission on Tuesday, February 17, 2015 at 6:30 p.m., Program Room, Newport Public Library, 300 Spring St. Newport.</p>	<p>STATE OF RHODE ISLAND Probate Court of the TOWN OF MIDDLETOWN</p> <p>NOTICE OF MATTERS PENDING AND FOR HEARING IN SAID COURT</p> <p>The Court will be in session at MIDDLETOWN TOWN HALL on dates specified in notice below</p> <p>8:30 A.M. for Hearing Said Matters on dates specified in notice below</p> <p>Donnelly, Christine, Estate. Petition for Administration, for hearing March 5, 2015.</p> <p>Hawie, Solweig Kamilla, Estate. First and Final Account; for hearing March 5, 2015.</p> <p>Mellekas, James, Estate. Soloria Montanari of Granby, CT and Steven J. Mellekas of Newport have qualified as Co-Executors of the estate.</p> <p>Mark B. Heffner is appointed Agent for Soloria Montanari. Creditors must file their claims with the Co-Executors or the Attorney-of-Record (Mark B. Heffner, Esquire, 615 Jefferson Boulevard, B 106, Warwick, RI 02886) in the manner provided by law and file a copy of said claim in the office of the Probate Clerk beginning February 13, 2015.</p>	<p>Wendy J.W. Marshall, CMC Probate Clerk</p> <p>Perry, Agnes A., Estate. Petition for Sale of Real Estate; for hearing March 10, 2015.</p> <p>Bunkin, Charlotte K., Estate. Stephen A. Haire of Middletown, RI has qualified as Executor of the estate. Creditors must file their claims with the Executor or the Attorney-of-Record (Stephen A. Haire, Esquire, 97 John Clarke Road, Middletown, RI 02842) in the manner provided by law and file a copy of said claim in the office of the Probate Clerk beginning February 13, 2015.</p> <p>Perry, Agnes A., Estate. Petition for Sale of Real Estate; for hearing March 10, 2015.</p> <p>After the passage of one year you may exercise your right to redeem through the tax sale purchaser or his attorney, or if a petition to foreclose your right of redemption has been filed in Superior Court, you may redeem through the Court until a final decree is entered forever foreclosing your right of redemption.</p> <p>TERMS: CASH OR BANK CHECK ONLY</p> <p>Christina Collins, Finance Director Town of Jamestown</p>
<p>CITY OF NEWPORT 43 BROADWAY</p>						<p>TOWN OF JAMESTOWN COLLECTOR'S SALE OF ESTATES FOR TAXES AND/OR ASSESSMENTS DUE AND UNPAID</p> <p>The undersigned, Finance Director of the Town of Jamestown, hereby gives notice that she will sell at public auction to the highest bidder in the Council Chamber, Town Hall, 93 Narragansett Avenue, Rhode Island, on the 6th day of</p>	<p>March, 2015 at 10:00 a.m. Local Time, the various parcels of real estate or so much thereof as may be necessary to pay the taxes and assessments which constitute a lien thereon as set forth in the original advertisement of the 6th day of February, 2015 in the Newport Daily News to which reference is hereby made.</p> <p>Property, upon which taxes have been paid since the advertisement first appeared, will not, of course, be included in the sale.</p> <p>Be advised that if your property in which you have a substantial interest is sold at tax sale, then you have one year to redeem it through the Collector's Office or through the tax sale purchaser by tendering the taxes paid, plus a ten percent penalty on the tax sale amount, plus one percent interest on the tax sale amount per month from the seventh month onward.</p> <p>MORTGAGEE'S NOTICE OF SALE</p>	

Name of Town: Newport

General Information				Location in Decimal Degrees				Receiving Water Body Information				Outfall Information								
Inspector(s)	Flow Type	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
James Thomas		DO-043-01	9/24/14	08:32am	-71.19311	+41.29961	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
James Thomas		DO-049-01	9/24/14	08:35am	-71.19301	+41.29829	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
James Thomas		DO-049-02	9/24/14	08:38am	-71.19315	+41.29795	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	PVC		CIRCULAR		6"-11"		SINGLE	
James Thomas		DO-064-01	9/24/14	1:50pm	-71.19280	+41.29597	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
James Thomas		DO-064-02	9/24/14	08:44am	-71.19302	+41.29516	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		36"-59"		SINGLE	
James Thomas		DO-064-03	9/24/14	08:45am	-71.19395	+41.29469	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		36"-59"		SINGLE	
James Thomas		DO-070-01	9/24/14	1:45pm	-71.19222	+41.29349	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
James Thomas		DO-070-02	9/24/14	1:46pm	-71.19225	+41.29350	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		6"-11"		SINGLE	
James Thomas		DO-071-01	9/24/14	1:18pm	-71.19044	+41.29374	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
James Thomas		DO-071-02	9/24/14	1:19pm	-71.19043	+41.29370	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		>60"		SINGLE	
James Thomas		DO-071-03	9/24/14	1:22pm	-71.19026	+41.29311	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		36"-59"		SINGLE	
James Thomas		DO-079-01	9/24/14	1:55pm	-71.19003	+41.29214	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		TRIPLE	
James Thomas		DO-079-02	9/24/14	1:55pm	-71.19003	+41.29214	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		TRIPLE	
James Thomas		DO-079-03	9/24/14	1:57pm	-71.19003	+41.29214	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		TRIPLE	
James Thomas		DO-086-01	9/24/14	1:24pm	-71.18946	+41.29000	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		36"-59"		SINGLE	
James Thomas		DO-089-01	9/24/14	1:26pm	-71.18983	+41.28899	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		36"-59"		SINGLE	
James Thomas		DO-089-02	9/24/14	1:30pm	-71.18937	+41.28803	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
James Thomas		DO-089-03	9/24/14	1:35pm	-71.18994	+41.28733	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		36"-59"		SINGLE	
James Thomas		DO-098-01	9/24/14	1:37pm	-71.18979	+41.28661	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	OTHER		BOX		12"-35"		SINGLE	
James Thomas		DO-109-01	9/24/14	1:39pm	-71.18999	+41.28643	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	OTHER		BOX		>60"		SINGLE	
James Thomas		DO-109-02	9/24/14	1:38pm	-71.19001	+41.28648	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		>60"		SINGLE	
James Thomas		DO-109-03	9/24/14	1:42pm	-71.19021	+41.28575	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
James Thomas		DO-116-01	9/24/14	09:21am	-71.19519	+41.28503	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
James Thomas		DO-144-01	9/24/14	09:25am	-71.21362	+41.27990	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	OTHER		CIRCULAR		12"-35"		SINGLE	
James Thomas		DO-166-01	9/24/14	09:37am	-71.21433	+41.27302	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
James Thomas		DO-177-01	9/24/14	09:39am	-71.21509	+41.27522	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		6"-11"		SINGLE	
James Thomas		DO-186-01	9/24/14	09:43am	-71.21428	+41.27299	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
James Thomas		DO-190-01	9/24/14	09:49am	-71.20319	+41.27395	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	PVC		CIRCULAR		12"-35"		SINGLE	
James Thomas		DO-190-02	9/24/14	09:50am	-71.20320	+41.27395	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	PVC		CIRCULAR		6"-11"		SINGLE	
James Thomas		DO-151-01	9/24/14	10:02am	-71.19921	+41.28267	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			FRESHWATER_WI	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
James Thomas		DO-151-02	9/24/14	10:03am	-71.19933	+41.28278	GPS_CARRIER_PHASE_STATIC_RELATIVE_POSITION	<5m			FRESHWATER_WI	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
James Thomas		DO-184-01	9/24/14	10:38am	-71.18635	+41.27551	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
James Thomas		DO-163-01	9/24/14	09:57am	-71.18984	+41.27749	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
James Thomas		DO-164-01	9/24/14	10:25am	-71.18628	+41.27668	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
James Thomas		DO-164-02	9/24/14	10:35am	-71.18713	+41.27954	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
James Thomas		DO-152-01	9/24/14	10:15am	-71.18662	+41.27981	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
James Thomas		DO-152-02	9/24/14	10:13am	-71.18604	+41.27972	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		36"-59"		SINGLE	
James Thomas		DO-154-01	9/24/14	10:48am	-71.18045	+41.28040	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
James Thomas	MODERATE	DO-113-01	9/29/14	10:05am	-71.17828	+41.28552	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	OTHER		BOX		36"-59"		SINGLE	
James Thomas		DO-096-01	9/24/14	10:56am	-71.17820	+41.28968	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	OTHER		BOX		12"-35"		SINGLE	
James Thomas		DO-083-01	9/24/14	11:01am	-71.17786	+41.29203	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
James Thomas		DO-083-02	9/24/14	11:04am	-71.17820	+41.29229	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
James Thomas		DO-083-03	9/24/14	11:05am	-71.17844	+41.29278	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
James Thomas		DO-075-01	9/24/14	11:08am	-71.17980	+41.29315	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
James Thomas		DO-075-02	9/24/14	11:12am	-71.17909	+41.29440	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
James Thomas		DO-068-01	9/24/14	11:15am	-71.17936	+41.29555	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
James Thomas		DO-060-01	9/24/14	11:18am	-71.17955	+41.29641	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		36"-59"		SINGLE	
James Thomas		DO-060-02	9/24/14	11:19am	-71.17950	+41.29644	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
James Thomas		DO-060-03	9/24/14	11:19am	-71.17951	+41.29644	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
James Thomas		DO-060-04	9/24/14	11:20am	-71.17952	+41.29644	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
James Thomas		DO-061-01	9/24/14	11:22am	-71.17993	+41.29648	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
James Thomas		DO-061-02	9/24/14	11:25am	-71.17950	+41.29653	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
James Thomas		DO-061-03	9/24/14	11:30am	-71.17808	+41.29655	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	
James Thomas		DO-062-01	9/24/14	11:40am	-71.17808	+41.29655	GPS_CODE_(PSEUDO_RANGE)_PRECISE_POSITION	<5m			BAY	Narragansett Bay	RCP		CIRCULAR		12"-35"		SINGLE	

Name of Town: Newport

Illicit Discharge Flow Measurement							Visual Observation											Field Analysis								
Outfall ID	Date	Time	Inspector(s)	Width of Water Surface (feet)	Approx Depth of Water (feet)	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-144-01	4/27/2006	10:45 a.m.	James Thomas	0.50	0.17	5gpm	OPEN SPACE		NONE		NONE		NONE		NONE		NONE	NORMAL	NO	NO	12	C	6.56	292.7	7	MPN
DO-177-01	4/27/2006	11:20 a.m.	James Thomas	0.08	0.04	3gpm	RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NORMAL	NO	NO	11.5	C	6.65	513	8	MPN
DO-186-01	4/27/2006	11:29 a.m.	James Thomas	0.08	0.04	3gpm	RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NORMAL	NO	NO	12.3	C	6.54	458	<2	MPN
DO-190-01	4/27/2006	11:40 a.m.	James Thomas	0.25	0.04	2gpm	RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NORMAL	NO	NO	11.2	C	6.44	194	13	MPN
DO-79-03	5/1/2012	8:14am	James Thomas	1.00	0.05	1gpm	COMMERCIAL		NONE		NONE		NONE		NONE		NONE	NORMAL	NO	NO	13.6	C	7.91	434	<2	MPN
DO113-01	5/1/2012	8:30am	James Thomas	8.00	2.00	5gpm	RESIDENTIAL		NONE		NONE		NONE		OTHER		NONE	NORMAL	NO	NO	11.7	C	7.13	218	1000	MON
DO-186-01	5/1/2013	10:06am	James Thomas	0.50	0.02	10gpm	RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO	12.5	C	6.71	243	<1.0	MPN
DO-190-01	5/1/2013	10:22am	James Thomas	1.00	0.50	5gpm	RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NORMAL	NO	NO	18.2	C	6.4	118.7	2	MPN
DO-154-01	5/1/2013	10:53am	James Thomas	6.00	1.00	25gpm	RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO	13.7	C	7.21	332	>2419.6	MPN
DO-079-02	5/7/2014	9:25am	James Thomas	8.00	2.00	15gpm	RESIDENTIAL		NONE		NONE		NONE		NONE		CLEAR	NONE	NO	NO	15.4	C	6.88	546	7701	MPM
DO-079-03	5/7/2014	9:27am	James Thomas	6.00	1.00	10gpm	RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO	15	C	6.97	307	<10	MPM
DO-141-01	5/7/2014	10:06am	James Thomas	8.00	2.00	25gpm	RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NORMAL	NO	NO	13	C	6.63	177.5	86	MPM
DO-186-01	5/7/2014	10:20am	James Thomas	6.00	1.50	15gpm	RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NORMAL	NO	NO	12.1	C	6.62	258	<10	MPM
DO-190-01	5/7/2014	10:35am	James Thomas	2.00	0.25	5gpm	RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NORMAL	NO	NO	13.9	C	6.72	106	<10	MPM
DO-151-02	5/7/2014	10:56am	James Thomas	16.00	3.00	5gpm	RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NORMAL	YES	YES	13.7	C	6.66	388	31	MPM
DO-154-01	5/7/2014	11:16am	James Thomas	10.00	0.25	25gpm	RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	NO	NO	15.9	C	6.82	299	246	MPM

Name of Town: Newport

Illicit Discharge Flow Measurement							Visual Observation											Field Analysis								
Outfall ID	Date	Time	Inspector(s)	Width of Water Surface (feet)	Approx Depth of Water (feet)	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-079-02	9/19/2006	12:30p.m.	James Thomas	0.5	0.125	2gpm	OTHER	Comm/Mun	NONE		NONE		NONE		NONE		NONE	NORMAL	NO	NO	24 C		6.89	59.1	900	MPN
DO-079-03	9/19/2006	12:30p.m.	James Thomas	0.5	0.25	10gpm	OTHER	Comm/Res	NONE		NONE		NONE		NONE		NONE	NORMAL	NO	NO	23.6 C		6.64	11.82	<2	MPN
DO-109-01	9/19/2006	12:05p.m.	James Thomas	3.0	.0125	30gpm	RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	YES	NO	23.4 C		6.4	70	1600	MPN
DO-113-01	9/19/2006	10:57p.m.	James Thomas			30gpm	RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NORMAL	NO	NO	20.2 C		6.09	1227	500	MPN
DO-154-01	9/19/2006	11:25p.m.	James Thomas	.5	.250	5gpm	RESIDENTIAL		OTHER	Seaweed	NONE		NONE		NONE		NONE	NORMAL	NO	NO	21.3 C		6.75	1214	>1600	MPN
DO-043-01	8/24/2007	10:19a.m.	James Thomas	.83	.17	1gpm	RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NONE	YES	NO	22.7 C		6.33	1867	500	MPN
DO-079-01	8/24/2007	10:51a.m.	James Thomas	1.0	.5	5gpm	OTHER	Comm/Res	NONE		NONE		NONE		NONE		NONE	NONE	NO	NO	23.1 C		6.74	876	>16,000	MPN
DO-079-02	8/24/2007	10:52a.m.	James Thomas	1.5	.08	7gpm	OTHER	Comm/Res	NONE		NONE		NONE		NONE		OTHER	NONE	NO	NO	23.3 C		7.19	2451	>1600	MPN
DO-079-03	8/24/2007	10:53a.m.	James Thomas	2.5	1.5	10gpm	OTHER	Comm/Res	NONE		NONE		NONE		NONE		NONE	NONE	NO	NO	24.4 C		7.04	837	50	MPN
DO-092-01	8/24/2007	11:28a.m.	James Thomas	2.5	1.67	1gpm	OTHER	Comm/Res	NONE		NONE		NONE		NONE		NONE	NONE	YES	YES	22.2 C		6.77	19.14	>1600	MPN
DO-079-02	9/15/2010	7:08a.m.	James Thomas	.5in	0.25in	2gpm	OTHER	Comm/Res	NONE		NONE		NONE		NONE		NONE	NONE	NO	NO	18.5 C		7.74	14.93	850	MPN
DO-079-03	9/15/2010	7:04a.m.	James Thomas	1.0in	.5in	5gpm	OTHER	Comm/Res	NONE		NONE		NONE		NONE		NONE	NONE	NO	NO	17.4 C		8	7.4	<10	MPN
DO-113-01	9/15/2010	8:14a.m.	James Thomas	1.0ft	6.0ft	15gpm	RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NORMAL	NO	NO	18.4 C		7.74	496	2,500	MPN
DO-060-01	9/15/2010	8:44a.m.	James Thomas	3.0ft	1.5ft	0gpm	RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NORMAL	YES	NO	15.9 C		6.7	481	8,000	MPN
DO-060-03	9/15/2010	8:46a.m.	James Thomas	1.0ft	3.0in	6gpm	RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NORMAL	YES	NO	16.5 C		6.95	334	2,500	MPN
DO-060-04	9/15/2010	8:59a.m.	James Thomas	10.0in	2.0in	5gpm	RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NORMAL	YES	NO	16.5 C		7.05	348	1,200	MPN
DO-061-01	9/15/2010	9:10a.m.	James Thomas	6.0in	4.0in	0.5gpm	RESIDENTIAL		NONE		BROWN		OIL_SHEEN		NONE		OTHER	NORMAL	NO	NO	16.6 C		6.85	270	850	MPN
DO-79-03	9/21/2011	8:35am	James Thomas	2.0in	.50in	2gpm	OTHER	Comm/Res	NONE		NONE		NONE		NONE		OTHER	NORMAL	NO	NO	19.2 C		7.65	14.3	2	MPN
DO-113-01	9/21/2011	9:15am	James Thomas	1.0ft	2.0in	15gpm	RESIDENTIAL		NONE		NONE		NONE		NONE		OTHER	NORMAL	NO	NO	19.7 C		6.82	464	1,100	MPN
DO-186-01	9/21/2011	10:45am	James Thomas	.50in	.25in	.5gpm	RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NORMAL	NO	NO	23.7 C		7.71	440	4	MPN
DO-186-01	9/22/2012	10:10am	James Thomas	0.4in	7.0in	100.gpm	RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NORMAL	NO	NO	21.2 C		7.9	165.4	<1	MPN
DO-113-01	9/22/2012	10:44am	James Thomas	15in	1.0in	25gpm	RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NORMAL	NO	NO	19.5 C		7.65	268	41,060	MPN
DO-113-01	9/20/2013	9:46am	James Thomas	8.00	3.00	15gpm	RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NORMAL	NO	NO	18.5 C		7.39	267	1750	MPN
DO-113-01	9-29-2014	10:05am	James Thomas	8.0 in	2.0 in	10gpm	RESIDENTIAL		NONE		NONE		NONE		NONE		NONE	NORMAL	NO	NO	18.3 C		7.03	316	51,200	MPM