



RHODE ISLAND DEPARTMENT OF  
ENVIRONMENTAL MANAGEMENT  
Office of Water Resources

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Date Received \_\_\_\_\_

**RIPDES SMALL MS4 ANNUAL REPORT**  
GENERAL INFORMATION PAGE

RIPDES PERMIT #RIR040 -029

REPORTING PERIOD:

☒ **YEAR 12**

Jan 2015-Dec 2015

**OPERATOR OF MS4**

|  |                              |            |                         |
|--|------------------------------|------------|-------------------------|
| Name: Town of West Greenwich, RI   |                              |            |                         |
| Mailing Address: 280 Victory Highway   |                              |            |                         |
| City: West Greenwich   | State: RI                    | Zip: 02817 | Phone: ( 401 ) 392-3800 |
| Contact Person:<br>Jennifer Paquet   | Title: Town Planner          |            |                         |
|  | Email: jrpaquet@wgtownri.org |            |                         |
| Legal status (circle one):<br>PRI - Private <b>PUB - Public</b> BPP - Public/Private    STA - State    FED - Federal |                              |            |                         |
| Other (please specify):  |                              |            |                         |

**OWNER OF MS4 (if different from OPERATOR)**

|                  |        |      |              |
|------------------|--------|------|--------------|
| Name: same       |        |      |              |
| 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    Kevin A. Breene

Print Title    TOWN ADMINISTRATOR

Signature    *Kevin A. Breene*

Date    3/10/16



## 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.)**

**Responsible Party Contact Name:** \_\_\_\_\_ Jennifer Paquet \_\_\_\_\_

**Phone:** \_\_\_\_\_ (401) 392-3800 x 121 \_\_\_\_\_ **Email:** \_\_\_\_\_ jrpaquet@wgtownri.org \_\_\_\_\_

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

The Town Planner continues to manage the Town's Stormwater Webpage, and there are still posters about stormwater pollution hanging in the Town Planner's office – one for residents about water pollution awareness and what they can do to help prevent water pollution (wash car on lawn, use Eco-Depot to dispose of household hazardous waste, pick up after your pet, fertilize sparingly, etc.), and one for the construction industry about proper installation and use of soil erosion and sedimentation controls. On August 22, 2015, West Greenwich hosted an Eco-Depot, which served about 192 cars, and collected about 16,926 pounds of household hazardous waste (including 10 pounds of mercury).

The Town also continues to distribute the '10 Simple Things' pamphlet to new residents. Approximately 75 pamphlets were mailed out in 2015. Topics addressed by the '10 Simple Things' pamphlet include: feeding of waterfowl, picking up after pets, limiting fertilizer, proper disposal of household hazardous wastes, septic system maintenance, vehicle fluids, conserving water, how to get involved, and how to file a complaint. Also, the [Town's Storm Water Webpage](#) has information on lots of topics and explains the importance of being aware of storm water pollution sources in an interesting way so that everyone can understand it.

At pre-construction meetings, the Town Planner discusses limit of disturbance, maintenance of erosion controls; use of construction pad, port-a-johns, and trash receptacles; concrete washout; and secondary containment for on-site fueling.

There was no Town initiated outreach specific to TMDL's in 2014.

The 2016 Reporting cycle will add awareness of street sweeping as a stormwater pollution prevention measure.

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 WG Stormwater Pamphlet, which is also posted on the Town's Stormwater webpage, includes information on how to get involved, including contact information for the following: Pawtuxet River Watershed Council, Wood-Pawcatuck Watershed Association, URI's Watershed Watch, Save the Bay, and the Lake Mishnock Preservation Association. The Lake Mishnock Preservation Association is a local non-governmental organization that is actively involved in water quality issues for the Lake, and attracts others to be involved.

**PUBLIC EDUCATION AND OUTREACH cont'd**

Check all topics that were included in the Public Education and Outreach program during this reporting period. For each of the topics selected, provide the target pollutant (e.g. construction sites, total suspended solids):

| Topic  | Target Pollutant(s)   |
|--|---|
| <input checked="" type="checkbox"/> Construction Sites                   | Sediment, trash, concrete washout, fuel, sanitary waste   |
| <input checked="" type="checkbox"/> Pesticide and Fertilizer Application |   |
| <input type="checkbox"/> General Stormwater Management Information       |   |
| <input checked="" type="checkbox"/> Pet Waste Management                 |   |
| <input checked="" type="checkbox"/> Household Hazardous Waste Disposal   |   |
| <input checked="" type="checkbox"/> Recycling                            | (reduce waste, conserve resources)  |
| <input type="checkbox"/> Illicit Discharge Detection and Elimination     |   |
| <input type="checkbox"/> Riparian Corridor Protection/Restoration        |   |
| <input type="checkbox"/> Infrastructure Maintenance                      |   |
| <input type="checkbox"/> Trash Management                                |   |
| <input type="checkbox"/> Smart Growth                                    |   |
| <input type="checkbox"/> Vehicle Washing                                 |   |
| <input type="checkbox"/> Storm Drain Marking                             |   |
| <input checked="" type="checkbox"/> Water Conservation                   |   |
| <input type="checkbox"/> Green Infrastructure/Better Site Design/LID     |   |
| <input type="checkbox"/> Wetland Protection                              |   |
| <input checked="" type="checkbox"/> Other:                               | Info on using non-toxic household cleaners, maintaining septic system, vermicomposting workshop |
| <input type="checkbox"/> None  |   |

**Specific audiences targeted during this reporting period:**

- |   |  |
|---|--|
| <input type="checkbox"/> Public Employees       | <input checked="" type="checkbox"/> Contractors    |
| <input checked="" type="checkbox"/> Residential | <input checked="" type="checkbox"/> Developers     |
| <input type="checkbox"/> Businesses             | <input checked="" type="checkbox"/> General Public |
| <input type="checkbox"/> Restaurants            | <input type="checkbox"/> Industries                |
| <input type="checkbox"/> Other:                 | <input type="checkbox"/> Agricultural              |

**Additional Measurable Goals and Activities**

Please list all stormwater training attended by your staff during the 2015 calendar year and list the name(s) and municipal position of all staff who attended the training.

Trainings: (none)

(don't know if this qualifies, but it is related: American Planning Association Webinar, "Water, Disasters, and Resilient Recovery & Reconstruction" by NOAA. This covered preparing for droughts, water conservation, and severe flooding.)

Attending name of staff and title: \_\_Jennifer Paquet, Town Planner\_\_

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.)**

**Responsible Party Contact Name:** \_\_\_\_\_ Jennifer Paquet \_\_\_\_\_

**Phone:** \_\_\_\_\_ **Email:** \_\_\_\_\_

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.

The Conservation Commission (responsible party), along with the local Lake Mishnock Preservation Association, actively engages volunteers to help out at the annual Earth Day Cleanup events. About 146 volunteers signed in for the 2015 clean up. The measurable goal is 'increased participation,' which had previously been occurring through 2011, but had remained at around 100 for the past few years, until 2015. Participation is monitored with sign-in sheets (not everybody who participates signs in, but Conservation Commission members make a point to recognize how many people participate). 2015 participation and/or sponsorship included residents, the West Greenwich Conservation Commission, the Lake Mishnock Preservation Association, the RI Water Resources Board, the RI Chapter of the New England Mountain Bike Association, and the Rhody Rovers Motorcycle Club. The particular pollutant targeted during the Earth Day Cleanup is litter.

Also, the Lake Mishnock Preservation Association holds meetings and informs citizens in the area about pollution to the Lake. In the past, such information has included septic system maintenance, pet waste, and proper lawn fertilization. They continue to offer a sign-up sheet for discounted septic pumping for members. They have a link on their website

<http://www.lakemishnock.org/> called 'Beautiful Yards Harm Lakes,' connecting to EPA's webpage

<http://water.epa.gov/type/lakes/lakestipsfull.cfm> with tips for improving the lakeshore to protect water quality and lake habitat.

Nothing specific to the Bacteria TMDL was targeted in 2015 for public involvement by the Town.

Also, the general public is targeted for participation in the MS4 Annual Report public hearing (responsible party- Town Planner). Notice of the hearing is advertised in the local paper, and posted in the Town Hall and at the Library. This is not an effective method to get people involved, as there is very limited feedback and no one attends the public hearing.

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

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

Additional Measurable Goals and Activities

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

|   |  |
|---|--|
| Was the availability of this Annual Report and the Stormwater Management Program Plan (SWMPP) announced via public notice? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO  | If YES, Date of Public Notice: Monday, February 29, 2016 |
| How was public notified:<br><input type="checkbox"/> List-Serve (Enter # of names in List: _____) <input checked="" type="checkbox"/> Newspaper Advertising<br><input type="checkbox"/> TV/Radio Notices <input checked="" type="checkbox"/> Other: flyer at Town Hall and in Library, notice on webpage<br>Enter Web Page URL: <u>http://www.wgtownri.org/departments/planning/storm_water.php</u> |  |
| Was public meeting held? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO<br>Date: Monday, March 7, 2016 (no one attended) Where: Town Hall  |  |
| Summary of public comments received: (None)   |  |
| Planned responses or changes to the program: (None)   |  |



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

### SECTION I. OVERALL EVALUATION:

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

Include information relevant to the implementation of each measurable goal, such as activities implemented (when reporting tracked and eliminated illicit discharges, please explain the rationale for targeting the illicit discharge) to comply with on-going requirements, and illicit discharge public education activities, audiences and pollutants targeted. Discuss activities to be carried out during the next reporting cycle. If addressing TMDL requirements, please indicate rationale for the activities chosen to address the pollutant of concern.

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

**Responsible Party Contact Name:** \_\_\_\_\_ Claude Wright, Director Public Works \_\_\_\_\_

**Phone:** \_\_\_\_\_ 397-6110 **Email:** \_\_\_\_\_ chwright@wgtownri.org \_\_\_\_\_

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:** \_\_\_\_\_ 5 (in urban area) \_\_\_\_\_  
**Percent Complete:** \_\_\_\_\_ (we probably should map more of them in the rest of Town) \_\_\_\_\_  
**If 100% Complete, Provide Date of Completion:** \_\_\_\_\_ for the 5 in urban area: May 4, 2009 \_\_\_\_\_

Only outfalls in the urban area were mapped. They were found in the field and hand drawn on Tax Assessor Plat Maps during the dry weather inspection. (In 2016, the Town purchased ArcGIS software, so we should be able to plot them in the GIS by next reporting period)

IV.B.3.b.2 Indicate if your municipality chose to implement the tagging of outfalls activity under the IDDE minimum measure, activities and actions undertaken under the 2015 calendar year.

(Since there were only 5 outfalls, and have the locations, there was no need to tag them.)

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.

In 2015, part-time Town Hall staff worked on an inventory of additional stormwater bmps, however, this effort has not been completed yet. This activity is slowly being implemented in response to requirement for IV.B.5.b.12 (recording the elements is not considered as effective for minimizing water quality impacts as driving down the street and cleaning or inspecting as you go).

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:** \_\_\_\_\_ June 10, 2009 \_\_\_\_\_  
If the Ordinance was amended in 2015, please indicate why changes were necessary.

No amendments in 2015

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.



**ILLCIT DISCHARGE DETECTION AND ELIMINATION cont'd**

No complaints were received for illicit discharges in 2015. No illicit discharges were detected in 2015. The Public Works Director (Claude Wright) is responsible for implementing this.

|               |  |
|---------------|--|
| 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.<br><b>Number of Catch Basins and Manholes Inspected for illicit connections/IDDE:</b> _____<br><b>Percent Complete:</b> _____ %<br><b>Date of Completion:</b> _____ |
|---------------|--|

The Director of Public Works has reported that this was completed in July 2015 during catch basin cleaning. There are approximately 380 catch basins.

|                |   |
|----------------|---|
| 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. <b>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.</b><br><b>Number of Outfalls Surveyed once:</b> _____ <b>Number of Outfalls Surveyed twice:</b> _____<br><b>Percent Complete:</b> _____ %<br><b>Date of Completion:</b> _____ |
|----------------|---|

Both dry weather surveys were completed 2009 for the urban area only and were sent to RIDEM on May 4, 2009 and September 18, 2009. No flows were observed, as indicated on the Excel spreadsheet, previously submitted. Only outfalls in the urban area were surveyed.

|            |  |
|------------|--|
| IV.B.3.b.7 | Use the space below to provide a description of efforts and actions taken as a result of for coordinating with other physically interconnected MS4s, including State and federal owned or operated MS4s, when illicit discharges were detected or reported. Identify person(s) / Department and/or parties responsible for the implementation of this requirement. Evaluate effectiveness of the implementation of this requirement. |
|------------|--|

No illicit discharges have yet been detected; therefore, there has been no need for the Town to initiate coordination with another entity. No abutting physically interconnected MS4 operators have contacted the Town regarding cooperation regarding any illegal discharges. The DPW would be responsible for such coordination.

|            |   |
|------------|---|
| IV.B.3.b.8 | Use the space below to provide a description of efforts and actions taken for the referral to RIDEM of non-stormwater discharges not authorized in accordance to Part I.B.3 of this permit or another appropriate RIPDES permit, which the operator has deemed appropriate to continue discharging to the MS4, for consideration of an appropriate permit. Identify person(s) / Department and/or parties responsible for the implementation of this requirement. Evaluate effectiveness of the implementation of this requirement. |
|------------|---|

No non-stormwater discharges, that are not otherwise authorized, have been detected. The DPW is responsible for implementing this measure and for coordinating with the Town Planner.

**ILLICIT DISCHARGE DETECTION AND ELIMINATION cont'd**

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.

The DPW Employees did not have any specific training in 2015 related to illegal discharges or waste disposal. They report that have MSD sheets at the garage.

The Town Planner (who is also the Town's recycling coordinator) also informs employees on a case by case basis about proper recycling and disposal of hazardous materials, which includes informing employees of what is hazardous and what can be thrown in the trash. For the past few years, a notice of the Eco-Depot schedule and the Eco-Depot brochure has been posted on the Town Hall bulletin board. The [Eco-Depot brochure](#) is very informative about unintentional stormwater pollution, what household hazardous waste is, and how to properly dispose of it. There are also Eco-Depot brochures available for anyone to take on the display tables in the hallway of the Town Hall.

In 2015, the Town held an Eco-Depot collection day at the Town Hall, which was posted on the Town's website and announced at a Town Council meeting. Notice was also posted in the Town Hall and at the Transfer Station and flyers were available for people to take.

The efforts taken to inform the general public about the hazards with illegal discharges and improper disposal of waste include the efforts previously mentioned under sections IV.B.1.b.1 and IV.B.2.b.2.ii. Specifically, the '10 Simple Things' pamphlet includes a section on minimizing the use of hazardous products and information about how to find out how to properly dispose of hazardous products. One of the ways that this pamphlet gets distributed is in a 'Welcome Packet' that is sent to all new residents. The information posted on the Town's Stormwater webpage includes a copy of the Town's Illicit Discharge Ordinance, and an electronic version of the ['10 Simple Things'](#) Pamphlet with live links to all the resources mentioned in the pamphlet.

[The Land Trust did not hold their annual Earth Day Event in 2015, therefore that opportunity was not available for the Town Planner to participate in. However, at that event in previous years, she was present to actively engage the community in learning about water pollution. For example, in 2012 she was stationed at the rain garden with a poster board cluing the visual observer to learn that proper disposal of hazardous household waste helps keep waterbodies clean, and in previous reporting years, her booth also provided handouts on the proper disposal of, and how to determine what is, hazardous waste (EPA's Be Smart Poster, EPA's Sure Your Home is Clean flyer, URI's Water Quality Protection factsheets: Household Hazardous Products, and What You Can Do About Nonpoint Source Pollution. This booth also has had another poster board about Composting and Recycling, which also helps people understand how to properly dispose of wastes.]

The Town Planner also maintains a separate webpage on ['Recycling and Composting'](#) which includes information about how to properly dispose of hazardous materials and e-waste, and gives links to the RI Resource Recovery Corporation's [Eco-Depot](#), and [Green Cleaning Recipes](#). The Stormwater Web Page and the Recycling Web page are now linked to each other, so that people can understand that clean water and proper disposal/recycling of wastes are related.

In 2015, the Town Planner made arrangements again with RIRRC to host another Eco-Depot in West Greenwich, scheduled for August 27, 2016. This is one way to help make it easier for people to properly dispose of household hazardous waste.

In September of 2010, we received PODS at our Transfer Station for convenient collection of computers and tv's for proper recycling by RMG Enterprise. While the State has had to cut this program down to one collection site per county, West Greenwich was designated as the collection location for Kent County. However, in 2015 the State program had some issues and West Greenwich no longer offers this convenience. We are considering hosting our own e-waste recycling for the future. Also, in 2015 the Town added recycling for rigid plastics at our Transfer Station.

Additional Measurable Goals and Activities



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

|  |  |
|--|--|
| # of Illicit Discharges Identified in 2015: 0  | # of Illicit Discharges Tracked in 2015: 0                               |
| # of Illicit Discharges Eliminated in 2015: 0  | # of Complaints Received: 0  |
| # of Complaints Investigated: 0  | # of Violations Issued: 0  |
| # of Violations Resolved: 0  | # of Unresolved Violations Referred to RIDEM: 0                          |
| Total # of Illicit Discharges Identified to Date (since 2003): 0   | Total # of Illicit Discharges remaining unresolved at the end of 2015: 0 |
| Summary of Enforcement Actions: N/A  |  |
| Extent to which the MS4 system has been mapped:<br>5 outfalls and most catch basins within the urban area (Mishnock) only. |  |
| Total # of Outfalls Identified and Mapped to date:   |  |

**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: |
|--|-------------|-----------|--------------------|---------------------|--|
| There have been no interconnected systems found to date, though there are discharges from RIDOT in West Greenwich. |             |           |                    |                     |  |
|  |             |           |                    |                     |  |
|  |             |           |                    |                     |  |



## 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.)**

**Responsible Party Contact Name:** \_\_Jennifer Paquet\_\_

**Phone:** \_\_\_\_\_ **Email:** \_\_\_\_\_

|            |  |
|------------|--|
| IV.B.4.b.1 | Indicate if the Sediment and Erosion Control and Control of Other Wastes at Construction Sites ordinance was <b>not</b> 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.<br><b>Date of Adoption:</b> __October 16, 2002__<br>If the Ordinance was amended in 2015, please indicate why changes were necessary. <b>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.</b> |
|------------|--|

All construction sites (except for a single family house site) have to be reviewed by the Planning Board, in which case the [Land Development and Subdivision Regulations](#) must be followed. These regulations cover erosion and sediment control requirements (Article XIII Section H 4, page 82 and Article XIV Section B.page 103), and other wastes at construction sites (Article XIV C 5. pg.104). No amendments have been made to these documents due to the 2010 Stormwater Design Manual, however this manual is referenced in the regulations along with the language, "the most current edition of..."

|            |  |
|------------|--|
| 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. |
|------------|--|

There was no new information received by the public in 2015 regarding construction site stormwater runoff.

|            |   |
|------------|---|
| 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. |
|------------|---|

There were no non-compliant construction sites referred to the State in 2015.

Additional Measurable Goals and Activities

## CONSTRUCTION SITE STORMWATER RUNOFF CONTROL cont'd

**SECTION II. A - Plan and SWPPP/SESC Plan Reviews during Year 12 (2015), 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: \_\_\_\_5 (for 4 projects)  
# of Permits/Authorizations issued: \_\_\_\_4 Preliminary plan approvals\_\_\_\_\_  
% of Total: \_\_100%\_\_\_\_\_

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

The Town Planner receives all applications for proposed development and follows the review procedures and checklist requirements of the Town of West Greenwich Land Development and Subdivision Regulations, which incorporates the requirements for Development Plan Review which is cross-referenced in the Zoning Ordinance. A soil erosion and sediment control plan is a requirement on the Preliminary Plan checklists for both minor and major projects (whether residential or commercial). If this item is not submitted, the application is not complete. The Town Planner sends Preliminary Plans to the consulting engineer for review of proposed erosion controls (including sites that are less than one acre).

(Cedar Ridge Major Condos-2 reviews; Pine Estates Major Phase two; Finlandia Minor compound; Diffley Site plan)

**SECTION II.B - Erosion and Sediment Control Inspections during Year 12 (2015), 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 Active Construction Projects: 4

# of Site Inspections: 6

# of Violations Issued: 0

# of Complaints Received: 0

# of Unresolved Violations Referred to RIDEM: 0

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

There are generally more than 2 inspections performed for each site. The quality of the erosion controls and general site stabilization is observed at each inspection, though not necessarily recorded unless there is a problem. If everything is ok, I get a verbal ok (usually noted in my phone records), and more than half of the time there is a written follow-up documentation, which I have put in the file for this report. If RIDEM would like to see the inspection reports, I can provide them. Minor issues are often resolved by pointing out spot areas in the field to the contractor. Late in 2015, there was one site that is not doing as well as it could with site stabilization that has caused sediment to enter their rain garden. A letter has been sent to the property owner to appear before the Planning Board in 2016.

The inspections below represent documented inspections that occurred only within 2015, and do not represent inspections that occurred in previous years.

(Cedar Ridge-2; Finlandia-2; Roch's-1; Stonebridge Phase two-1)



# 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.)**

**Responsible Party Contact Name:** \_\_\_\_\_Jennifer Paquet\_\_\_\_\_

**Phone:** \_\_\_\_\_ **Email:** \_\_\_\_\_

|            |  |
|------------|--|
| 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. |
|------------|--|

Every development project (with the exception of single-family residential house lots) has to be reviewed by the Planning Board, under the Land Development and Subdivision Regulations and the Zoning Ordinance. There is a required checklist which includes a section for information pertaining to 'wetlands' and another section pertaining to 'other permits from state or federal reviewing agencies.' All plans are made by professional engineers, and reviewed on behalf of the Town by a professional engineer. In general, these professionals know when state permits are needed, whether that be a wetland permit, RIPDES permit, NOI for construction under the General Permit, or UIC. Such requirements are often discussed at the Pre-application meeting for each application. The Town requires that Stormwater design follow the most current RI Stormwater Design Manual. These permits are due at certain stages of review, and the application is incomplete without them. Sometimes the Planning Board grants Preliminary approval 'subject to' specific state permits, depending on the circumstances. Copies of State permits are required to be submitted to the Town prior to construction of any project. This process, including the requirement of submission of state permits at certain review stages, is actually in the State Enabling Legislation for Land Development and Subdivision Review, which cross-references with the Zoning Enabling Legislation for Development Plan Review (formerly 'Site Plan Review'). The Town Planner is responsible for coordinating review of projects by the Planning Board and the consulting engineer, and ensuring that applications are complete or otherwise ready for review by the Board.

For Low Impact Development, one application tried cluster/conservation design, but it was not approved by the Board, and so it will be a conventional development. There were no other noteworthy LID measures proposed in 2015.

|            |  |
|------------|--|
| IV.B.5.b.6 | Use the space below to describe actions taken for the referral to RIDEM of new discharges of stormwater associated with industrial activity as defined in RIPDES Rule 31(b)(15) (the operator must implement procedures to identify new activities that require permitting, notify RIDEM, and refer facilities with new stormwater discharges associated with industrial activity to ensure that facilities will obtain the proper permits). |
|------------|--|

See answer for IV.B.5.b.5 regarding existing process.

Also, the Building Official has routing slips for both Building Permits and Certificates of Occupancy. The Town Planner won't sign off on a Building Permit unless the project has approval from the Planning Board and the necessary state permits.

I did not know the Town was responsible for notifying RIDEM of the applications. We just tell the applicant to go to RIDEM and get their permit. (I have a new development project for 2016 for a home heating oil and propane delivery company that should need an industrial permit.)

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

|  |  |
|--|--|
| IV.B.5.b.9   | <p>Indicate if the Post-Construction Runoff from New Development and Redevelopment Ordinance was <b><u>not</u></b> 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><b>Date of Adoption:</b> <u>May 2008</u></p> <p>If the Ordinance was amended in 2015, please indicate why changes were necessary. <b>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.</b></p> |
| <p>The Town regulations on Post-Construction Runoff have been in place since at least 1993, and were amended in May 2008 to meet all of the remaining IV.B.5.b.9. requirements; however, they were finally submitted to RIDEM, along with the required letter from the Town Solicitor, in November of 2010. No amendments have been made to these documents due to the 2010 Stormwater Design Manual, however this manual is referenced in the regulations along with the language, "the most current edition of..."</p>   |  |
| IV.B.5.b.12  | <p>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&amp;M of the BMPs.</p>  |
| <p>In 2009, all Town catch basins within the urban area (Mishnock-predominantly residential) were catalogued. Associated swales and paved waterways were also mapped previously as shown on the Outfall Maps submitted with the 2008 Annual Report. These maps are not used by the Department of Public Works for BMP maintenance purposes. BMP's on private property that may discharge into the Town's MS4 have not been formally identified for this area. In 2015, part-time Town Hall staff worked on an inventory of additional stormwater bmps, however, this effort has not been completed yet. The method we are using to gather this information is to first go through the Tax Assessor Plat maps to find drainage easements, then to research approved Preliminary plans and As-built plans which show drainage infrastructure. We will integrate this information with the catch basin cleaning list. We will also review aerial photos to determine if there are potential uses or impervious sites that may have storm drainage infrastructure, and then field verify and investigate for discharges to the town or the state drainage systems.</p> |  |
| <p>Additional Measurable Goals and Activities</p>  |  |

**SECTION II.A. - Plan and SWPPP/SESC Plan Reviews during Year 12 (2015), 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).

|   |
|---|
| <p># of Post-Construction Reviews completed: <u>6</u> (for 5 projects) _____</p> <p># of Permits/Authorizations issued: <u>5</u> _____</p> <p>% of Total: <u>100%</u> _____</p>   |
| <p>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.</p> <p>The Town Planner is responsible for coordinating plan review requirements and review by a consulting engineer for all construction projects, including some, but not all, single family residential house lots. The 5 plans that were submitted to the Planning Board were all prepared by a PE and were reviewed by a PE for the Town, and determined to have adequately designed post-construction water quality and volume/peak flow control BMP's. It is very easy to review 100% of plans since it is built into the Land Development and Subdivision Regulations review process.</p> <p>(Cedar Ridge- 2 reviews; Pine Estates Phase Two; Finlandia Hollow Phase Two; Diffley Site Plan; Roch's revised plan)</p> |

**SECTION II.B. - Post Construction Inspections during Year 12 (2015), 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 Active Construction Projects: 4                     |   |
| # of Site Inspections for proper Installation of BMPs: 7 | # of Complaints Received: 0                     |
| # of Violations Issued: 0                                | # of Unresolved Violations Referred to RIDEM: 0 |

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

**Summary of Enforcement Actions:**

There were 4 projects that were under active construction or near completion in 2015. There was an old additional project that had a one-year follow-up inspection to ensure proper function after incidents previously reported.

(Coast to Coast follow up; Finlandia Hollow Phase Two-2; Roch's; Stonebridge Phase Two; Cedar Ridge-2)

**SECTION II.C. - Post Construction Inspections during Year 12 (2015), 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: 1 | # 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.

Previously noted one-year follow up. This property owner recorded a Stormwater Ownership and Maintenance Agreement with the Town in 2014.

Strategies being implemented to ensure long-term Operation and Maintenance (O&M) of privately-owned 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:

\_\_The requirement for O&M of privately owned BMP's is contained within the Land Development and Subdivision Regulations, and is required to be put on the approved plans, and/or a separate legal document. The requirement for an O&M Agreement with the Town for privately owned BMP'S is also in the LDSR's, and the agreement documents reference the approved plan for the inspections and maintenance frequency and more detailed instructions. These legal documents include granting permission (like and easement) to the Town to enter onto the private property to perform inspections and/or maintenance if necessary. But, it would be a good idea to adopt an ordinance with the O&M and Agreement requirements.



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

Do you have an inventory of privately owned BMPs?

☐ YES

☒ NO

Do you have a system for tracking:

a. Agreements and arrangements to ensure O&M of BMPs?

☐ YES

☒ NO

b. Inspections?

☐ YES

☒ NO

c. Maintenance plans and schedules of privately-owned BMPs?

☐ YES

☒ NO

d. Complaints?

☐ YES

☒ NO

e. Non-Compliance?

☐ YES

☒ NO

f. Enforcement actions?

☐ YES

☒ NO

Do you use an electronic tool (e.g. GIS, database, spreadsheet) to track post-construction BMPs, inspections, and maintenance?

☐ YES

☒ NO

If yes, please elaborate on which tools are used:

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

So noted. It would also help if a stormwater utility was able to be implemented to bring this issue to the forefront. It would be nice to have a dedicated means of running a program to ensure maintenance, improvements, and enhancement to the stormwater infrastructure for both water quality and flood prevention (and maybe even for optimizing recharge and storage to aid with drought).



## 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.)**

**Responsible Party Contact Name:** \_\_\_\_\_ Claude Wright, Director of Public Works \_\_\_\_\_

**Phone:** \_\_\_\_\_ 397-6110 \_\_\_\_\_ **Email:** \_\_\_\_\_ chwright@wgtownri.org \_\_\_\_\_

IV.B.6.b.1.i Use the space below to 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.

Do you have an inventory of MS4-owned BMPs? ☐ YES ☐ NO

Besides tagging of the outfalls and mapping the catch basins in the Mishnock urban area, no other list of structural BMP's has been created. In 2010, the RIDEM sent the Town a Notice of Intent to Enforce non-compliance with the RIPDES permit for failure to submit this list. The Town Planner has tried to work on this. In 2015, the Town hired a new part time (about 5 to 10 hrs/wk) staff person (different than the person from 2014 who moved to a different department) for the Planning Dept. and she has been working on this list intermittently as time allows. Please see response to IV.B.5.b.12, above.

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.

Do you have a system for tracking:

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

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

For catch basin cleaning (and street sweeping) the DPW uses an excel spreadsheet which is printed out and used to check off in the field. The spreadsheet was not used in 2015, however, handwritten notes were scribbled to noted which sections had been completed.

**POLLUTION PREVENTION AND GOOD HOUSEKEEPING IN MUNICIPAL OPERATIONS cont'd**

|  |   |
|--|---|
| IV.B.6.b.1.iii   | <p>Use the space below to describe activities and actions taken to 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><b>Total # of CBs within regulated area (including SRPW and TMDL areas):</b> _~400_</p> <p><b>Total # of CBs inspected in 2015:</b> _100%_</p> <p><b>Total # of CBs cleaned in 2015:</b> _100%_      <b>% of Total:</b> _100%_</p> <p>Quantity of sand/debris collected by cleaning of catch basins:_(not tracked, Dir. DPW estimates 200 ton from 20 truck loads)</p> <p>Location used for the disposal of debris: _highway garage stockpile_</p> <p>Do you use an electronic tool (e.g. GIS, database, spreadsheet) to track the inspections and cleaning of catch basins?                      <input type="checkbox"/> YES                      <input checked="" type="checkbox"/> NO</p> |
| <p>An excel spreadsheet was re-created, however it was not used in 2015.</p> <p>Dir. DPW has reported that this is part of what their job is and they do it every year.</p>  |   |
| IV.B.6.b.1.iv  | <p>Use the space below to describe activities and actions taken to minimize erosion of road shoulders and roadside ditches by requiring stabilization of those areas. Evaluate appropriateness and effectiveness of this</p> <p>Dir. DPW has reported that they normally put down loam and seed and/or rip rap as needed. He has noted that the Town's drainage system has gotten better over the years due to the purchase of a mini-excavator in2012.</p>   |
| IV.B.6.b.1.v   | <p>Use the space below to describe activities and actions taken to identify and report known discharges causing scouring at outfall pipes or outfalls with excessive sedimentation, for the Department to determine on a case-by-case basis if the scouring or sedimentation is a significant and continuous source of sediments. Evaluate appropriateness and effectiveness of this requirement.</p> <p>The Dir. Of Public Works has reported that they would use rip rap to control scouring. Outfalls with excessive sedimentation are cleaned out. They replace the rip rap with new rip rap and take the old stuff back to the garage and screen it out. It is usually sand from either winter sanding, or someone's gravel driveway washing out.</p>  |
| IV.B.6.b.1.vi  | <p>Use the space below to indicate if all streets and roads within the urbanized area were swept annually and if not indicate reason(s). Evaluate appropriateness and effectiveness of this requirement.</p> <p><b>Total roadway miles within regulated area (including SRPW and TMDL areas):</b> _90_</p> <p><b>Total roadway miles that were swept in 2015:</b> _90_      <b>% of Total:</b> _100%_</p> <p>Type of sweeper used:      <input checked="" type="checkbox"/> Rotary brush street sweeper      <input type="checkbox"/> Vacuum street sweeper</p> <p>Quantity of sand/debris collected by sweeping of streets and roads:_not available/not tracked _</p> <p>Location used for the disposal of debris: _highway garage stockpile_</p> <p>Do you use an electronic tool (e.g. GIS, database, spreadsheet) to track the annual sweeping of streets and roads?                      <input type="checkbox"/> YES                      <input checked="" type="checkbox"/> NO</p>  |
| <p>In 2015, the old street sweeper broke down and we could not get parts for it. Therefore, sweeping was performed later in the year than normal. We made arrangements to borrow a sweeper from another town, but had to wait until they finished first. We are grateful to have been awarded a grant from RIDEM in 2015 for a new street sweeper.</p> |   |

**POLLUTION PREVENTION AND GOOD HOUSEKEEPING IN MUNICIPAL OPERATIONS cont'd**

|   |  |
|---|--|
| 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.  |
| Dir. DPW reports that they rely on the grates on the top of the catch basins.   |  |
| IV.B.6.b.1.viii   | <p>Use the space below to describe the method for disposal of waste removed from MS4s and waste from other municipal operations, including accumulated sediments, floatables and other debris and methods for record-keeping and tracking of this information.</p> <p>Do you have a system for tracking actions to remove and dispose of waste?      <input type="checkbox"/> YES      <input checked="" type="checkbox"/> NO</p>  |
| Dir. DPW reports that materials are stockpiled at the Highway Garage and that they are not measured. This information will be kept track of for 2016 because we need to for the street sweeper grant reporting. |  |
| IV.B.6.b.4 and IV.B.6.b.5   | <p>Use the space below to describe and indicate activities and corrective actions for the evaluation of compliance. This evaluation must include visual quarterly monitoring; routine visual inspections of designated equipment, processes, and material handling areas for evidence of, or the potential for, pollutants entering the drainage system or point source discharges to a waters of the State; and inspection of the entire facility at least once a year for evidence of pollution, evaluation of BMPs that have been implemented, and inspection of equipment. A Compliance Evaluation report summarizing the scope of the inspection, personnel making the inspection, major observations related to the implementation of the Stormwater Management Plan (formerly known as a Stormwater Pollution Prevention Plan), and any actions taken to amend the Plan must be kept for record-keeping purposes.</p>   |
| Dir. DPW reports that this is checked on a daily and weekly basis. However, no written reports are made because they have never had any problems.   |  |
| IV.B.6.b.6  | <p>Use the space below to describe all employee training programs used to prevent and reduce stormwater pollution from activities such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and stormwater system maintenance for the past calendar year, including staff municipal participation in the URI NEMO stormwater public education and outreach program and all in-house training conducted by municipality or other parties. Evaluate appropriateness and effectiveness of this requirement.</p> <p>How many stormwater management trainings have been provided to <i>municipal employees</i> during this reporting period? <u>  0  </u></p> <p>What was the date of the last training? <u>  </u> / <u>  </u> / <u>  </u></p> <p>How many <i>municipal employees</i> have been trained in this reporting period? <u>  0  </u></p> <p>What percent of <i>municipal employees</i> in relevant positions and departments receive stormwater management training? <u>  just 2  </u> in previous years <u>      </u> %</p> |

**POLLUTION PREVENTION AND GOOD HOUSEKEEPING IN MUNICIPAL OPERATIONS cont'd**

|   |   |
|---|---|
| IV.B.6.b.7  | Use the space below to describe actions taken to ensure that new flow management projects undertaken by the operator are assessed for potential water quality impacts and existing projects are assessed for incorporation of additional water quality protection devices or practices. Evaluate appropriateness and effectiveness of this requirement. |
| Dir. DPW reports that if pipes are needed, they make sure it is the right size and installed properly. No formal water quality evaluation is made, however small sumps are installed to allow settling. |   |
| 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: |
|---------|-----------|-----------------------------|---------------------|
|         |           |                             |                     |
|         |           |                             |                     |
|         |           |                             |                     |

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

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

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

|   |
|---|
| Dir. DPW reports that there is nothing planned. |
|---|

**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).**

|   |
|---|
| Dir. DPW reports that he is not aware of any. |
|---|



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

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**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 Town has not been notified that discharges from the MS4 require non-structural or structural storm water controls. In 2011, the [RI Statewide Bacteria TMDL Core Document](#) was approved by EPA. In [2014, this document was updated](#) to include Acid Factory Brook. This TMDL includes impaired water bodies that are in the Town of West Greenwich. Affected water bodies are the following (with hyperlinks to the individual TMDL's):

[Breakheart Brook](#) – Impervious cover 2.8%

[Phillips Brook](#) – Impervious cover 0.8%

[Nooseneck River](#) – Impervious cover 3.7%

[Frenchtown Brook](#) – Impervious cover 9.8%

[Acid Factory Brook](#) – Impervious cover 2.7%

Since all of these impaired water bodies are in a watershed area with less than 10% impervious cover, the source of the bacterial pollutants are not considered to be associated with stormwater. The TMDL's for these water bodies include statements such as, "as a general rule, impaired streams with watersheds having less than 10% impervious cover are assumed to be caused by sources other than urbanized stormwater runoff." "As it is assumed that stormwater runoff is not the major contributor of bacteria to Breakheart Brook based on the watershed's imperviousness, RIDOT, West Greenwich, and Exeter will have no changes to their Phase II permit requirements and no TMDL Implementation Plan (TMDL IP) will be required at this time."

The Town is encouraged to take actions pertaining to the four other possible sources of the bacteria contamination as follows:

**Malfunctioning Onsite Wastewater Treatment Systems** (failing septic systems)- The Town is encouraged to institute a Waste Water Management Plan with an enforceable program to ensure that OWTS's are properly operating and maintained. Such a program was previously evaluated by the Town and it was determined to be a burden for the Town to run. Property owners are responsible to take care of their own systems. Septic Maintenance is addressed through the Town's Stormwater education and outreach program.

**Waterfowl, Wildlife, and Domestic Animal Waste**- The Town is encouraged to provide education and outreach pertaining to the importance of picking up and properly disposing of pet waste, and the importance of not feeding waterfowl. Wastes from these animals contains bacteria that, if not picked up and put in the trash, washes across the ground surface where it gets into the water network. Waterfowl (ducks and geese) should not be fed by humans because (aside from being unhealthy for the birds) it encourages them to stay in an area, which concentrates these wastes directly in a water body. Geese can be a problem in some areas. They are attracted to lawn or pasture areas surrounding an open water body. Allowing a vegetated buffer to grow back up around the edges of the water is a deterrent to the geese. A "Don't feed the Waterfowl" message is included in the Town's Stormwater education and outreach program.

**Agricultural Activities** – Agricultural producers are encouraged to work with RIDEM Division of Agriculture and the USDA Natural Resources Conservation Service (NRCS) to develop conservation plans for their property, particularly to ensure adequate stream buffers and proper containment of animals wastes, and to take measures to keep animals out of streams and wetlands. Development of BMP's such as grassed filter strips, manure storage facilities, etc. may be implemented, with possible funding help from these organizations.

**Developed Area Stormwater Management** – Runoff from impervious surfaces may contribute bacteria contaminated runoff into water bodies, however, watersheds with less than 10% impervious areas generally are not considered to have a significant source of polluted runoff. One way to help pinpoint the source of the contamination is to see if there are any dry weather flows at outfalls in the area of these contaminated water bodies. If dry weather flow is observed, it can be tested to see if it contains pollutants, and an investigation can be started under the Town's Illicit Discharge Detection and Elimination Ordinance to track the source of the contamination.

The above mentioned TMDL's will be posted on the Town's website to help further educate people about the importance of preventing stormwater pollution, show them the location of polluted water bodies in Town, and let them know what they can do to help prevent water pollution.

(There is also a regional Mercury TMDL (source recognized as atmospheric deposition).)





## SPECIAL RESOURCE PROTECTION WATERS (SRPWs)

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**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.

The Special Resource Protection Waters in West Greenwich are:

**Big River-** Big River is mostly contained within State-owned, protected land of the Big River Reservoir/ Management Area. I-95 and State Road Route 3 cross over this river. Town-owned Congdon Mill Road crosses over a tributary to this river (Congdon River)

**Tippecansett Pond-** Tippecansett Pond and surrounding swamps are contained on land owned by South County Rod and Gun

**Wickaboxet Pond-** Wickaboxet Pond is fully contained within private residential properties. It is fed by the Coney Brook and hydraulically connected to the Hudson Pond / Kelley Brook. Town-owned Hudson Pond Road parallels and crosses over the Kelley Brook twice. Town-owned Muddy Brook Road crosses over the Coney Brook.

**Fisherville Brook-** Henry Brown Road (a town road) crosses over the Fisherville Brook. Surrounding land uses are low-density residential and protected conservation land.

Impaired Waters (without a current TMDL) in West Greenwich are:

**Coney Brook-** Copper (TMDL scheduled for 2016): Most of Coney Brook is on protected land. There is relatively little impervious surface in this area. Town-owned Muddy Brook Road crosses over the Coney Brook. There is a small gravel bank operated adjacent to a small portion of the brook. Copper contamination can be from naturally occurring sources (especially under more acid conditions), or can come from industrial sources such as mining or smelting for metals, and can also come from atmospheric deposition, and automobile break dust washing off of roads. There are no wastewater treatment plants or other industrial uses in this vicinity.

Assessment of Progress towards Including these Water Resources in the Program:

Connections to the above noted water bodies from the MS4 have not yet been evaluated. In 2015, these areas were not consciously included into the Phase 2 program, particularly for illicit connections and good housekeeping. Public Education and Participation measures already cover the entire town, and the litter cleanup efforts focus on the Big River area already. All development projects, no matter where they are located in town are already reviewed and inspected for both pre- and post-construction site stormwater controls. Roads in the entire town are already swept annually and all Town catch basins are cleaned and inspected annually.



# Lice cord

Continued from Page A-1

checked and cleared upon their return to school. That set into motion her efforts to get the policy changed from a no-exclusion to a no-nit policy, which would essentially keep students out of the classroom until no evidence of lice or their eggs was evident. Lucianno went so far as to have a petition drafted and signed by hundreds of concerned residents.

"I keep getting the runaround and this issue and it is not going to rest. I talked with the superintendent to try and get the policy changed," Lucianno told the Daily Times in September. "I'm ready to pull my child out and somehow afford private school."

In the ruling issued on Feb. 12 by the Office of the Commissioner of Education, it is reported that, "At the time that Mrs. Lucianno raised her concerns about the policy, some of the school nurses were not checking students who had

# Police offer

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procedure, tasers, crime scene investigation and drugs and narcotics.

While various officers have taken part, Silva said he's only been to a couple of classes but the feedback he's received has been positive.

"There's definitely been a good response of people who have been interested and from what the officers have told me, it's a genuine interest and

# Crash takes

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North Kingstown and 20-year-old Carol of West Kingston. Neither of the injured seat belts, either, police said, ejected from the car as a result, a critical condition at Rhode Island Hospital suffered serious but not life-threatening injuries.

## TOWN OF WEST GREENWICH PUBLIC NOTICE for DRAFT 2015 STORMWATER PROGRAM ANNUAL REPORT

PUBLIC COMMENT PERIOD: February 29, 2016 until 4 p.m. March 8, 2016

PUBLIC HEARING: Monday, March 7, 2016 at 4:00 p.m. at Town Hall

The draft 2015 Phase II Stormwater Annual Report has been 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 (MS4s) and from Industrial Activity at Eligible Facilities Operated by Regulated Small MS4s

DATE OF THIS NOTICE: February 29, 2016  
RIR040029

RIPDES PERMIT NUMBER:

Name and Mailing Address of Small MS4 Operator:

Town of West Greenwich  
280 Victory Highway  
WEST GREENWICH, RI 02817

Copies of the DRAFT Phase II Storm Water Annual Report may be obtained at no cost by visiting the Town's Stormwater webpage at: [http://www.wgtownri.org/departments/planning/storm\\_water.php](http://www.wgtownri.org/departments/planning/storm_water.php) or by calling Jennifer Paquet, Town Planner at (401) 392-3800 x 121, or by visiting the Town Hall.

All records relating to this permit are available for review by the public. The administrative record containing all documents is on file and may be inspected, by appointment, at the Town Planner's office between 9:00 a.m. and 4:00 p.m., Monday through Friday, except holidays. Please visit the Town's Stormwater webpage for more information about the Stormwater Management Program.

A public hearing has been scheduled for Monday, March 7, 2016, at 4:00 p.m. in the Town Council Chambers, Town of West Greenwich Town Hall, 280 Victory Highway, West Greenwich, RI 02817, to consider the Town of West Greenwich Phase II Storm Water Annual Report.

The Town of West Greenwich will provide interpreter services for the hearing impaired provided a request is received by the Town Clerk's office at 392-3800 three (3) business days prior to said hearing date.

Interested parties may submit written comments on the DRAFT Annual Report, amendments to the SWMPP, and the administrative record to the Town Planner by the close of the public comment period which ends 4:00 p.m., Tuesday, March 8, 2016. If, during the public comment period, significant comments are received concerning the DRAFT Annual Report or amendments to the SWMPP, the Town of West Greenwich will post a written response to comments on the Town's Stormwater webpage. The response will include the final 2015 Annual Report and identify what changes to the SWMPP have been made, if any.

Jennifer Paquet, Town Planner (Town of West Greenwich)

