



City of Salem, Virginia

Municipal Separate Storm Sewer System Annual Report

For

General Permit No. VAR040010

Permit Year

July 1, 2018 through June 30, 2019

This annual report is submitted in accordance with 9VAC25-890-40 as part of the requirement for permit coverage to discharge stormwater to surface waters of the Commonwealth of Virginia consistent with the VAR04 General Permit effective date November 1, 2018.

Submitted: September 30, 2019

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ACRONYMS

BMP	Best Management Practices
CVC	Clean Valley Council
DEQ	Virginia Department of Environmental Quality
MCM	Minimum Control Measure
MS4	Municipal Separate Storm Sewer System
POC	Pollutants of Concern
SWPPP	Stormwater Pollution Prevention Plan
TMDL	Total Maximum Daily Load
VESCP	Virginia Erosion and Sediment Control Program
VSMP	Virginia Stormwater Management Program
VPDES	Virginia Pollution Discharge Elimination System

1.0 GENERAL ANNUAL REPORTING REQUIREMENTS

1.1. General Information (Part I.D.2.a)

Permittee Name: City of Salem

Permit Number: VAR040010

1.2. Reporting Period (Part I.D.2.b)

The reporting period for which the annual report is being submitted:

July 1, 2018 through June 30, 2019

1.3. Signed Certification (Part I.D.2.c)

A signed certification as per Part III K:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure 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, 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."

Printed Name: JAMES E. TALIAFERRO

Title: INTERIM CITY MANAGER

Signature:  Date: 9/30/19

1.4. Reporting for MCMs #1 - #6 (Part I.D.2.d)

Include information for each annual reporting item specified in Part I.E:

Reporting information for each Minimum Control Measure is provided in Section 2.0.

1.5. Evaluation of the MS4 Program Implementation (Part I.D.2.e)

An evaluation of the MS4 program implementation, including a review of each MCM to determine the MS4 program’s effectiveness and whether changes to the MS4 Program Plan are necessary:

An evaluation for each Minimum Control Measure is provided in Section 2.0. Changes that are necessary to be made to the MS4 Program Plan are summarized in Table 1.

Table 1: Summary of MS4 Program Plan Changes

MCM 1 and MCM 2: Salem collaborated with the Clean Valley Council (CVC) to satisfy Public Education and Outreach and Involvement activities. The Program Plan will be revised to reflect the change.

2.0 MINIMUM CONTROL MEASURES

2.1. MCM #1: Public Education and Outreach

2.1.1. High Priority Stormwater Issues (Part I.E.1.g(1))

A list of high-priority stormwater issues addressed in the public education and outreach program:

A list of high-priority stormwater issues addressed in public education and outreach program is provided in Table 2.

2.1.2. High Priority Stormwater Issue Communication Strategies (Part I.E. 1.g(2))

A list of strategies used to communicate each high-priority stormwater issue:

A list of strategies used to communicate each high-priority stormwater issue is provided in Table 2. Appendix A includes documentation of the communication efforts described in Table 2.

Table 2: High Priority Stormwater Issues				
#	Stormwater Issue	Strategy	Communication	Completion Status
1	Pollution Prevention	Speaking Engagements	CVC - Classroom Presentations	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2	Stream Protection	Speaking Engagements	CVC - Classroom Presentations	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3	Excess bacteria, sediment, and nutrients	Signage, Alternative Materials	CVC - Storm Drain Marking, Sticker/T-shirt distribution	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

2.1.3. MCM #1 Evaluation (Part I.D.2.e)

Review the MCM to determine the MS4 Program’s effectiveness and whether or not changes to the MS4 Program Plan are necessary:

Were all MCM #1 communications accomplished to the intended public audience indicated in the MS4 Program Plan? Yes (Effective) No (Ineffective)

If any communications were determined to be ineffective, describe changes necessary to the MS4 Program. Include the response in Section 1.5.

2.2. MCM #2: Public Involvement and Participation

2.2.1. Public Input Summary (Part I.E.2.f(1))

A summary of any public input on the MS4 program received (including stormwater complaints) and responses:

If any MS4 Program inputs or stormwater complaints were received from the public, were responses provided?

Yes (Refer to Table 3) No Not Applicable (No inputs/complaints)

Table 3: Public Input or Complaints and Responses

Input/Complaint :

Response:

2.2.2. MS4 Program Webpage (Part I.E.2.f(2))

A webpage address to the MS4 program and stormwater website:

The webpage address is <https://saalemva.gov/Departments/Community-Development/Stormwater-Information>

2.2.3. Public Involvement Activities Implemented (Part I.E.2.f(3))

A description of the public involvement activities implemented:

A description of the implemented public involvement activities is provided in Table 4.

2.2.4. Public Involvement Activity Metric and Evaluation (Part I.E.2.f(4))

A report of the metric as defined for each activity and an evaluation as to whether or not the activity is beneficial to improving water quality:

A report of the metric as defined for each activity and an evaluation as to whether or not the activity is beneficial to improving water quality is provided in Table 4. Appendix B includes documentation of the public involvement activities.

Table 4: Public Involvement Activities Implemented			
Activity Description	Metric	Collaboration	Beneficial
Stormwater/Litter Classes	476 Participants	CVC	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Storm Drain Marking Program	30 Storm Drains	CVC	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Stream School - Classroom presentations	108 Participants	CVC	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Riverfest - Stream festival with traditional media materials	600 Participants	CVC	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

2.2.5. MS4 Collaboration (Part I.E.2.f(5))

The name of other MS4 permittees collaborated with in the public involvement opportunities:

If applicable, the name of other MS4 permittees collaborated with for any of the public involvement opportunities are provided in Table 4.

2.2.6. MS4 Program Plan BMP Measurable Goals

The MS4 Program Plan BMPs measurable goals are provided in Table 5.

Table 5: MS4 Program Plan BMP Measurable Goals for MCM #2		
BMP	Measurable Goal	Completeness Status
2.1	Was documentation of the public input or complaints on the MS4 program and MS4 Program Plan maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable (No input/complaints)
2.1	Is the effective MS4 permit and coverage letter on the webpage?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2.1	Is the most current MS4 Program Plan on the webpage?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2.1	Is the annual report for each year of the term covered by this permit no later than 30 days after submittal to the department on the webpage?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable (First permit year.)

2.1	Is there a mechanism for the public to report potential illicit discharges, improper disposal or spills to the MS4, complaints regarding land disturbing activities or other potential stormwater pollution concerns on the webpage?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2.1	Is there a method for how the public can provide input of the MS4 Program Plan on the webpage?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2.1	Is there a method for responding to public input?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2.1	Is there a method for maintaining public input received and the city's responses?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

2.2.7. MCM #2 Evaluation (Part I.D.2.e)

Review the MCM to determine the MS4 Program's effectiveness and whether or not changes to the MS4 Program Plan are necessary:

Were all MCM #2 responses Yes or Not Applicable?

Yes (Effective) No (Ineffective)

If any items are determined to be ineffective, describe changes necessary to the MS4 Program. Include the response in Section 1.5.

2.3. MCM #3: Illicit Discharge Detection and Elimination

2.3.1. MS4 Map and Information Table (Part I.E.3.e(1))

A confirmation statement that the MS4 map and information table have been updated to reflect any changes to the MS4 occurring on or before June 30 of the reporting year:

Were the MS4 storm sewer map and outfall information table updated to reflect any changes to the MS4 occurring on or before June 30 of the reporting year?

Yes No (Currently revising)

2.3.2. Dry Weather Screening (Part I.E.3.e(2))

The total number of outfalls screened during the reporting period as part of the dry weather screening program:

Were at least 50 outfalls screened during the reporting period? Yes No

The number of outfalls screened during the reporting yard as part of the dry weather screening program is 61. This represents 20% of the total outfalls.

2.3.3. Illicit Discharges (Part I.E.3.e(3))

A list of illicit discharges to the MS4 including spills reaching the MS4:

Were there any illicit discharges to the MS4 including spills reaching the MS4?

Yes (Refer to Table 6) Not Applicable (No illicit discharges)

Table 6: Illicit Discharges

Illicit Discharge See Appendix C

Part I.E.3.e(3)(a) Source: See Appendix C

Part I.E.3.e(3)(b) Date Observed & Date Reported: See Appendix C

Part I.E.3.e(3)(c) Detected during Screening, Reported by Public or Other (Describe):

See Appendix C

Part I.E.3.e(3)(d) Investigation Resolution: See Appendix C

Part I.E.3.e(3)(e) Description of Follow-up Activities: See Appendix C

Part I.E.3.e(3)(f) Date Investigation Closed: See Appendix C

2.3.4. MS4 Program Plan BMP Measurable Goals

The MS4 Program Plan BMPs measurable goals are provided in Table 7.

Table 7: MS4 Program Plan BMP Measurable Goals for MCM #3		
BMP	Measurable Goal	Completeness Status
3.1	Was a GIS compatible shapefile submitted to DEQ?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.1	Was written notification provided to any downstream adjacent MS4 of any known interconnection established or discovered during the permit reporting year?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> Not Applicable (No new or discovered) <input type="checkbox"/> No
3.2	Were all reported or observed non-stormwater discharges eliminated?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.2	Were inspections, surveillance, monitoring and enforcement procedures in response to reports implemented?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.3	Were illicit discharge detection and elimination procedures implemented, enforced and documentation maintained of at least 50 outfalls?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

2.3.5. MCM #3 Evaluation (Part I.D.2.e)

Review the MCM to determine the MS4 Program’s effectiveness and whether or not changes to the MS4 Program Plan are necessary:

Were all MCM #3 responses Yes or Not Applicable?

Yes (Effective) No (2.3.1 incomplete; however, changes to Program Plan are not necessary.)

If any items are determined to be ineffective, describe changes necessary to the MS4 Program. Include the response in Section 1.5.

2.4. MCM #4: Construction Site Stormwater Runoff Control

2.4.1. Implementation of VESCP and City Ordinance (Part I.E.4.a(1))

The MS4 has adopted a Virginia Erosion and Sediment Control Program (VESCP). The MS4 implements the VESCP consistent with the Virginia Erosion and Sediment Control Law and Virginia Erosion and Sediment Control Regulations.

2.4.1.1. Conforming Land Disturbance Projects (Part I.E.4.d(1)(a))

A confirmation statement that land disturbing projects that occurred during the reporting period have been conducted in accordance with the VESCP consistent with the Virginia Erosion and Sediment Control Law and Virginia Erosion and Sediment Control Regulations:

Were all land disturbing projects that occurred during the reporting period conducted in accordance with the VESCP consistent with the Virginia Erosion and Sediment Control Law and Virginia Erosion and Sediment Control Regulations?

Yes No (Refer to Table 8) Not Applicable

2.4.1.2. Non-Conforming Land Disturbance Projects (Part I.E.4.d(1)(b))

If one or more of the land disturbing projects were not conducted with the VESCP consistent with the Virginia Erosion and Sediment Control Law and Virginia Erosion and Sediment Control Regulations, an explanation as to why the projects did not conform:

If “No” is checked above, an explanation as to why a project did not conform to the VESCP laws and regulations and City ordinance is provided in Table 8.

Table 8: Project(s) Not in Conformance with VESCP
<p>Project Name 1: Webster Property at 900 Blk of Eighty St.</p> <p>Explanation: Working without permit on 5-23-19. Stop work order issued on 5-23-19. Permit coverage acquired and site became in compliance on 7-10-19. Site is still currently active.</p>
<p>Project Name 2: Lancing Dr. (Riverwalk Apts.)</p> <p>Explanation: Working without permit on 12-20-18. Stop work order issued on 12-20-18. Permit coverage acquired and site became in compliance on 5-13-19. Site is still currently active.</p>

2.4.2. Site Stormwater Runoff Inspections (Part I.E.4.d(2))

Total number of inspections conducted:

The total number of site stormwater runoff inspections conducted for regulated land disturbance activities is 291.

2.4.3. Enforcement Actions (Part I.E.4.d(3))

The total number and type of enforcement actions implemented:

The total number of enforcement actions implemented is 145.

The total number of Notices of Violation issued is 80.

The total number of Stop Work Orders issued is 5.

2.4.4. MCM #4 Evaluation (Part I.D.2.e)

Review the MCM to determine the MS Program’s effectiveness and whether or not changes to the MS4 Program Plan are necessary:

Were all land disturbing projects that occurred during the reporting period conducted in accordance with the VESCP consistent with the Virginia Erosion and Sediment Control Law and Virginia Erosion and Sediment Control Regulations or brought into compliance if started work without a Permit?

- Yes (Effective) No (Ineffective)

If any items are determined to be ineffective, describe changes necessary to the MS4 Program. Include the response in Section 1.5.

2.5. MCM #5: Post-Construction Stormwater Management

2.5.1. Implementation of VSMP and City Ordinance (Part I.E.5.i (1))

The MS4 has approved Virginia Stormwater Management Program (VSMP) and implements the VSMP consistent with the Virginia Stormwater Management Act and VSMP Regulations as well as has developed an inspection and maintenance program in accordance with Parts I.E.5.b and c.

2.5.1.1. Privately-Owned VSMP Inspections (Part I.E.5.i (1)(a))

The number of privately-owned stormwater management facility inspections conducted:

The number of privately-owned stormwater management facility inspections conducted is 0 (Only required once every five years).

2.5.1.2. Privately-Owned VSMP Enforcement Actions (Part I.E.5.i (1)(b))

The number of enforcement actions initiated by the permittee to ensure long-term maintenance of privately-owned stormwater management facilities including the type of enforcement action:

The number of enforcement actions initiated by the MS4 to ensure long-term maintenance of privately-owned stormwater management facilities is 1.

The type of enforcement actions issued are Letter sent stating that the owner must maintain or will be billed if the City of Salem has to take care of it. Facility has since been maintained.

2.5.2. Stormwater Management Facility Inspections (Part I.E.5.i(2))

Total number of inspections conducted on stormwater management facilities owned or operated by the permittee:

Were inspections conducted on stormwater management facilities during the reporting year? Yes No

The total number of inspections conducted on stormwater management facilities, owned or operated by the MS4 is 15.

2.5.3. Stormwater Management Facility Maintenance (Part I.E.5.i(3))

A description of significant maintenance, repair, or retrofit activities performed on the stormwater management facilities owned or operated by the permittee to ensure it continues to perform as designed. This does not include routine activities such as grass mowing or trash collection:

Were significant maintenance, repair, or retrofit activities performed on any stormwater management facilities during the reporting year?

Yes No Not Applicable (No maintenance required)

A description of significant maintenance, repair, or retrofit activities performed on the stormwater management facilities owned or operated by the MS4 to ensure it continues to perform as designed is provided in Table 9.

Table 9: Maintenance Activities Performed on Stormwater Management Facilities	
Stormwater Management Facility	Significant Maintenance Activity
NA	NA

2.5.4. Virginia Construction Stormwater General Permit Database (Part I.E.5.i(4))

A confirmation statement that the permittee submitted stormwater management facility information through the Virginia Construction Stormwater General Permit database for those land disturbing activities for which the permittee was required to obtain coverage under the General VPDES Permit for Discharges of Stormwater from Construction Activities in accordance with Part I E 5 f or a statement that the Permittee did not complete any projects requiring coverage under the General VPDES Permit for Discharges of Stormwater form Construction Activities:

Stormwater management facility information for stormwater facilities installed after July 1, 2014 was submitted through the Virginia Construction Stormwater General Permit database for land disturbing activities requiring a General VPDES Permit for Discharges of Stormwater from Construction Activities?

Yes No Not Applicable

2.5.5. DEQ BMP Warehouse (Part I.E.5.i(5))

A confirmation statement that the permittee electronically reported BMPs using the DEQ BMP Warehouse in accordance with Part I E 5 g and the date on which the information was submitted:

No later than October 1 of each year, stormwater management facilities and BMPs implemented to meet a TMDL load reduction between July 1 and June 30 of each year were electronically reported using the DEQ BMP Warehouse for any practices not reported in accordance with Part I.E.5.f (requirement 2.5.4) including stormwater management facilities from land disturbing activities less than one acre in accordance with the Chesapeake Bay Preservation Act regulations and for which a General VPDES Permit for Discharges of Stormwater from Construction Activities was not required?

Yes, Date Submitted: No Not Applicable (No SWM facilities constructed or BMPs implemented that meet the criteria.)

2.5.6. MS4 Program Plan BMP Measurable Goals

The MS4 Program Plan BMPs measurable goals are provided in Table 10.

Table 10: MS4 Program Plan BMP Measurable Goals for MCM #5		
BMP	Measurable Goal	Completeness Status
5.1	Was the inspection and maintenance program on post-construction stormwater management facilities implemented?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5.1	Did all regulated land disturbance activities have a City approved SWM plan?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5.1	Were all stormwater management facilities recorded with inspection and maintenance plans and/or agreements, where applicable?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5.2	Was the stormwater management facility tracking database updated?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Not Applicable (No new or discovered) <input type="checkbox"/> No

2.5.7. MCM #5 Evaluation (Part I.D.2.e)

Review the MCM to determine the MS4 program's effectiveness and whether or not changes to the MS4 Program Plan are necessary:

Were all MCM #5 responses Yes or Not Applicable?

Yes (Effective) No (Ineffective)

If any items are determined to be ineffective, describe changes necessary to the MS4 Program. Include the response in Section 1.5.

2.6. MCM #6: Pollution Prevention and Good Housekeeping

2.6.1. Operational Procedures (Part I.E.6.q(1))

A summary of any operational procedures developed or modified in accordance with Part I E 6 a during the reporting period:

Were any operational procedures developed or modified in accordance with Part I E 6 a during the reporting period?

- Yes (Refer to Table 11) No Not Applicable (Not necessary)

Table 11: Good Housekeeping Operational Procedures Developed or Modified
NA

2.6.2. Newly Developed SWPPPs (Part I.E.6.q(2))

A summary of any new SWPPPs developed in accordance Part I E 6 c during the reporting period:

Were any new SWPPPs developed in accordance Part I E 6 c during the reporting period?

- Yes (Refer to Table 12) No Not Applicable (No new high priority facilities)

Table 12: New SWPPPs Developed	
SWPPP Name	SWPPP Address
NA	NA

2.6.3. Modified or Delisted SWPPPs (Part I.E.6.q(3))

A summary of any new SWPPPs modified in accordance with Part I E 6 f or the rationale of any high priority facilities delisted in accordance with Part I E 6 h during the reporting period:

Were any new SWPPPs modified after an unauthorized discharge, release or spill reported?

- Yes (Refer to Table 13) No Not Applicable (Not necessary)

Were any high priority facilities delisted in accordance with Part I E 6 h during the reporting period? Yes (Refer to Table 13) No Not Applicable (No delisted high priority facilities)

If yes, rationale is provided for any high priority facilities delisted in accordance with Part I E 6 h during the reporting period in Table 13.

Table 13: SWPPPs Modified or Delisted	
SWPPPs Modified/Delisted	Rationale for Delisting
NA	NA

2.6.4. Newly Developed Nutrient Management Plans (Part I.E.6.q(4))

A summary of new turf and landscape nutrient management plans developed:

Were any new turf and landscape nutrient management plans developed?

Yes (Refer to Table 14) No Not Applicable (Not required this permit year)

2.6.4.1. Nutrient Management Plan Acreage (Part I.E.6.q(4)(a))

The location and the total acreage of each land area:

If “Yes” is checked above, the location and total acreage of the land area for any newly developed nutrient management plan is provided in Table 14.

2.6.4.2. Nutrient Management Plan Approval Date (Part I.E.6.q(4)(b))

The date of the approved nutrient management plan:

If “Yes” is checked above, the approval date of any newly developed nutrient management plan is provided in Table 14.

Table 14: New Turf and Landscape Nutrient Management Plans		
Location	Total Acreages	Date Approved
City of Salem Schools	38.13	7/8/2019

2.6.5. Training Events (Part I.E.6.q(5))

A list of the training events conducted in accordance with Part I.E.6.m, including the following information:

Was training conducted?

Yes (Refer to Table 15) No Not Applicable (Not required this permit year. Only required biennially.)

If yes is checked above, a list of training events conducted in accordance with Part I.E.6.m is provided in Table 15.

2.6.5.1. Training Dates (Part I.E.6.q(5)(a))

The date of the training event:

If yes is checked above, the date of the training event is provided in Table 15.

2.6.5.2. Quantity Trained (Part I.E.6.q(5)(b))

The number of employees who attended the training event:

If yes is checked above, the number of employees who attended the training event is provided in Table 15.

2.6.5.3. Training Objective (Part I.E.6.q(5)(c))

The objective of the training event:

If yes is checked above, the objective of the training event is provided in Table 15.

Table 15: Training Events		
Date	# of Attendees	Training Objective
NA	NA	NA

2.6.6. MS4 Program Plan BMP Measurable Goals

The MS4 Program Plan BMPs measurable goals are provided in Table 16.

Table 16: MS4 Program Plan BMP Measurable Goals for MCM #6		
BMP	Measurable Goal	Completeness Status
6.1	Was good housekeeping and pollution prevention biennial training conducted this reporting year?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> Not Applicable (Not required this reporting year) <input type="checkbox"/> No
6.2	Was the annual comprehensive compliance evaluations conducted?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6.2	Were the SWPPPs reviewed within 30 days after an unauthorized discharge, release or spill reported?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> Not Applicable (No illicit discharges from high priority facilities) <input type="checkbox"/> No

6.2	Were the SWPPPs updated within 90 days after an unauthorized discharge?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> Not Applicable (No illicit discharges from high priority facilities) <input type="checkbox"/> No
6.2	Were the MS4's properties reviewed this reporting year to determine if the properties meet the criteria of a high priority facility?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6.3	Were the nutrient management plans implemented through completion of application records?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Not Applicable <input type="checkbox"/> No
6.5	Did all signed contracts executed for pesticide and herbicide application maintain proof of certifications on file?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Not Applicable <input type="checkbox"/> No
6.5	Did training occur and were proof of certifications maintained on file for employees performing pesticide and herbicide applications?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Not Applicable <input type="checkbox"/> No
6.6	Were all signed contracts executed with contract good housekeeping and pollution prevention language?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

2.6.7. MCM #6 Evaluation (Part I.D.2.e)

Review the MCM to determine the MS4 Program's effectiveness and whether or not changes to the MS4 Program Plan are necessary:

Were all MCM #6 responses Yes? Yes (Effective) No (Ineffective)

If any items are determined to be ineffective, describe changes necessary to the MS4 Program. Include the response in Section 1.5.

3.0 TMDL SPECIAL CONDITIONS

3.1. Roanoke (Staunton) River Watershed PCB TMDL Action Plan

3.1.1. PCB TMDL Implementation (Part II.B.9)

A summary of actions conducted to implement each local TMDL action plan:

Table 17: PCB TMDL Action Plan Summary of Actions		
BMP	Measurable Goals	Completeness Status
1	When applicable, enforcement of City Codes regarding illicit discharges, disposal and storage of PCB sources.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2	Identified City-owned buildings where electrical equipment and appliances were installed prior to 1979. Inspections, as determined appropriate, will be scheduled.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3	Will develop maintenance, mitigation and/or disposal plan, as applicable, as a result of findings from PCB-BMP-2.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable (No identified sources)
4	Continued implementation of SPCC Plans. Review and update by 2018, including for PCB-specific concerns.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Pending)
5	Reassess electric department properties for PCBs as part of SPCC update per Action Plan schedule.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Pending)
6	City's Good Housekeeping Manual updated to include a section for PCBs (Section 5.20)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
7	SPCC Plans are provided on the City's Website.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
8	City's Good Housekeeping Manual updated to include a section for PCBs (Section 5.20)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
9	PCB information in the Good Housekeeping Manual was provided during 2018 training.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
10	The City's Public Education & Outreach Plan was updated to include PCB information in material distributed to the public.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
11	The City has updated outreach material for distribution to the public during the 2017-2018 reporting year.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

3.1. Upper Roanoke River Watershed E.coli TMDL Action Plan

3.1.1. Bacteria TMDL Implementation (Part II.B.9)

A summary of actions conducted to implement each local TMDL action plan:

Table 18: Bacteria TMDL Action Plan Summary of Actions		
BMP	Measurable Goals	Completeness Status
1	(1) Prohibition of pets on City properties; (2) Maintenance of the Salem Rotary Dog Park; (3) Educational outreach to registered dog owners .	Ongoing
2	Continued rehabilitation and repair of the sanitary sewer system in accordance with I&I Corrective Action Plan described in Section 4.2.2 of the Action Plan	Ongoing
3	Cross reference Roanoke Health Department records with utility data to confirm the number and location of properties that are not connected to the sanitary sewer system.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Plan to remove BMP in May 2020 revision – no digital files available)
4	(1) Continued annual outfall screening and mapping (as new outfalls are identified); (2) Continued elimination of illicit discharges, as identified; (3) Recognition of straight pipe concerns in staff	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5	Conduct a review of approach to pet waste as an E. coli source that includes a review of the code and considers additional pet waste stations.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Plan to remove BMP in May 2020 revision)
6	Inclusion of educational information into: (1) Public Education and Outreach Plan and (2) Employee training	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

3.2. Upper Roanoke River Watershed Sediment TMDL Action Plan

3.2.1. Sediment TMDL Implementation (Part II.B.9)

A summary of actions conducted to implement each local TMDL action plan:

Table 19: Sediment TMDL Action Plan Summary of Actions		
BMP	Measurable Goal	Completeness Status
1	Supporting materials for tracking documentation	Completed
2	Utilize supporting materials for training sweeper operators for collection of sweeping operations data.	Completed
3	Conduct street sweeping material sampling and conduct laboratory analysis. Analysis includes particle size distribution, moisture content, total nitrogen and total phosphorus.	Completed
4	Written report building on field collected data from Steps 1 and 3 develop to assist estimating pollutant reductions and target areas for sweeping to maximize POC reduction	Completed
5	Assess effectiveness and appropriateness of the City’s sweepers. The assessment will be utilized in the consideration of future sweeper purchases.	Completed
6	Implementation of the identified target areas resulting from Step 4.	Ongoing
7	Continue current sweeping efforts with regenerative/vacuum sweeper per the Implementation Plan described in Section 4.2 of the Action Plan.	Completed

A summary of quantifiable pollutant of concern reductions is provided in Table 20.

Table 20: 2018-2019 POC Reductions	
BMP #10: Street Sweeping Using the Mass Loading Approach	
Required tons of material swept	793.2 tons.
Provided tons of material swept	399.5 tons.

3.2.2. Sediment TMDL Evaluation (Part I.D.2.e)

Review the TMDL Special Condition to determine the Local TMDL Action Plan's effectiveness and whether or not changes to the Local TMDL Action Plan are necessary:

Does the load reduction quantification demonstrate the BMPs in the Action Plan can achieve the required reductions?

Yes (Effective) No (Action Plan is effective; however, street sweeping target was not achieved. No changes to Action Plan necessary.)

If any items are determined to be ineffective, describe changes necessary to the MS4 Program Plan. Include the response in Section 1.5.

Appendix A: Documentation of Public Education and Outreach Activities



Annual Report for Stormwater Programs
(Roanoke County, City of Roanoke, Vinton, Salem)
FY 2018-19

Reporting Quarter	
X	Quarter 1
X	Quarter 2
X	Quarter 3
X	Quarter 4

MCM 1: BMP# 1.1 Public Education and Outreach on Stormwater Impacts

Title of Resource:	Date Added or Updated	Comment
<i>See updated link to our website</i>	http://cleanvalley.org/stormwater-recources/	



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FY 2018-19

Reporting Quarter

- X Quarter 1
- X Quarter 2
- X Quarter 3
- X Quarter 4

MCM 1: BMP# 1.3 Stream School Seminars

Date	Municipality	School	Type of Event	Program Name	Issue Addressed	# Programs	# Children	# Adults	Total Reached	Staff Present
6/5/2019	ALL	Girl Scouts	Classroom Program	Stream School	Stormwater	1	14	3	17	Brooke, Nikki
TOTAL ALL						1	14	3	17	

9/11/2018	Roanoke City	Woodrow Wilson M	Classroom Program	Stream School	Stormwater	5	37	2	39	Grace, Hayley
9/11/2018	Roanoke City	Woodrow Wilson M	Classroom Program	Stream School	Stormwater	5	37	2	39	Hayley, Grace
9/12/2018	Roanoke City	Woodrow Wilson M	Classroom Program	Stream School	Stormwater	5	37	2	39	Grace, Hayley
9/12/2018	Roanoke City	Woodrow Wilson M	Classroom Program	Stream School	Stormwater	5	37	2	39	Hayley, Grace
9/25/2018	Roanoke City	Woodrow Wilson M	Classroom Program	Stream School	Energy	2	48	2	50	Grace
10/3/2018	Roanoke City	Wasena ES	Classroom Program	Stream School	Stormwater	2	40	3	43	Grace, Hayley
10/3/2018	Roanoke City	Lincoln Terrace ES	Classroom Program	Stream School	Stormwater	2	40	3	43	Grace, Hayley
10/4/2018	Roanoke City	Highland Park	Classroom Program	Stream School	Stormwater	4	40	3	43	Grace, Hayley
11/27/2018	Roanoke City	Forest Park	Classroom Program	Stream School	Stormwater	7	55	2	57	Grace
10/3/2018	Roanoke City	Wasena ES	Classroom Program	Stream School	Stormwater	1	15	2	17	Hayley, Grace
10/3/2018	Roanoke City	Lincoln Terrace ES	Classroom Program	Stream School	Stormwater	1	25	2	27	Hayley, Grace
10/4/2018	Roanoke City	Highland Park	Classroom Program	Stream School	Stormwater	2	36	2	38	Hayley, Grace
5/21/2019	Roanoke City Private	North Cross	Classroom Program	Stream School	Stormwater	2	36	2	38	Brooke, Hayley, Nikki and Megan
TOTAL CITY OF ROANOKE						43	483	29	512	

10/5/2018	Roanoke County	Glenvar MS	Classroom Program	Stream School	Stormwater	3	30	1	31	Grace, Hayley
10/5/2018	Roanoke County	Glenvar MS	Classroom Program	Stream School	Stormwater	3	30	1	31	Hayley, Grace
10/17/2018	Roanoke County	Mountain View ES	Classroom Program	Stream School	Stormwater	2	35	2	37	Hayley, Grace
10/17/2018	Roanoke County	Mountain View ES	Classroom Program	Stream School	Stormwater	2	35	2	37	Hayley, Grace
10/18/2018	Roanoke County	Green Valley ES	Classroom Program	Stream School	Stormwater	2	35	2	37	Hayley, Grace
10/18/2018	Roanoke County	Green Valley ES	Classroom Program	Stream School	Stormwater	2	35	2	37	Hayley, Grace
4/25/2019	Roanoke County	Glenvar MS	Classroom Program	Stream School	SW/Litter	3	90	3	93	Grace
Roanoke County						17	290	13	303	

	No Stream School Requested									
TOTAL VINTON										

4/10/2019	Salem	East Salem ES	Classroom Program	Stream School	SW/Litter	4	50	4	54	Grace, Brooke
4/11/2019	Salem	South Salem ES	Classroom Program	Stream School	SW/Litter	4	50	4	54	Grace, Brooke
TOTAL SALEM						8	100	8	108	

Total Stream School Programs					# Programs	# Students Participants	# Adult Participants	Total
TOTAL ALL					1	14	3	17
TOTAL ROANOKE CITY					43	483	29	512
TOTAL ROANOKE COUNTY					17	290	13	303
TOTAL VINTON					0	0	0	0
TOTAL SALEM					8	100	8	108
Total All Communities					69	887	53	940



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FY 2018-2019

Reporting Quarter

- X Quarter 1
- X Quarter 2
- X Quarter 3
- X Quarter 4

MCM 1: BMP# 1.4 Stormwater Educational Programs

Date	Municipality	School	Type of Event	Program Name	Issue Addressed	# Programs	# Children	# Adults	Total Reached	Staff Present
12/19/2018	All	Lutheran Family Services	Classroom Program	Trash to Treasure	Recycling	1	0	15	15	Nikki, Brooke, Grace
5/15/2019	ALL	Community HS - PBL	Classroom Program	Watershed to Oceans	All	6	120	4	124	Grace, Mary Ann, Brooke, Nikki, Meg
6/21/2019	All	Roanoke Catholic School	Classroom Program	Wartville Wizard	All	1	20	2	22	Hayley
6/21/2019	All	Roanoke Catholic School	Classroom Program	Who Polluted the River	SW/Litter	1	20	2	22	Hayley
TOTAL ALL						9	160	23	183	

8/31/2018	Roanoke City	Franklin County HS	Classroom Program	World Drowning in Plastic	All	2	36	2	38	Grace, Hayley
9/13/2018	Roanoke City	Breckinridge MS	Classroom Program	Groundwater	Stormwater	8	140	2	142	Grace, Hayley
9/13/2018	Roanoke City	Breckinridge MS	Classroom Program	Groundwater	Stormwater	6	140	2	142	Hayley, Grace
9/14/2018	Roanoke City	Breckinridge MS	Classroom Program	Groundwater	Stormwater	8	140	2	142	Grace, Hayley
9/14/2018	Roanoke City	Breckinridge MS	Classroom Program	Groundwater	Stormwater	5	120	2	122	Hayley, Grace
9/21/2018	Roanoke City	Fisburn Park ES	Classroom Program	Rigsby/Recycling	Litter/Recycle	2	50	2	52	Hayley
9/28/2018	Roanoke City	Gov School	Classroom Program	Groundwater	Stormwater	1	25	1	26	Grace
10/10/2018	Roanoke City	James Madison MS	Classroom Program	Oceans of Trash	SW/Litter	1	95	1	96	Grace
10/10/2018	Roanoke City	James Madison MS	Classroom Program	Chemistry of Plastic	Litter/Recycling	1	95	1	96	Grace
10/10/2018	Roanoke City	James Madison MS	Classroom Program	Groundwater	Stormwater	2	95	1	96	Grace
9/28/2018	Roanoke City	Gov School	Classroom Program	Groundwater	Stormwater	1	25	1	26	Grace
10/30/2018	Roanoke City	Grandin Court ES	Classroom Program	Soil, Who Needs It	Stormwater	3	51	3	54	Hayley, Brooke
10/30/2018	Roanoke City	Grandin Court ES	Classroom Program	Soil, Who Needs It?	Stormwater	3	51	3	54	Hayley, Brooke
11/15/2018	Roanoke City	James Madison MS	Classroom Program	Oceans of Trash	SW/Litter	6	95	2	97	Grace
11/15/2018	Roanoke City	James Madison MS	Classroom Program	Chemistry of Plastic	Litter/Recycling	6	95	2	97	Grace
11/15/2018	Roanoke City	James Madison MS	Classroom Program	Groundwater	Stormwater	6	95	2	97	Grace
11/30/2018	Roanoke City	Forest Park	Classroom Program	Groundwater	SW/Litter	7	55	2	57	Grace
2/1/2019	Roanoke City	Woodrow Wilson MS	Classroom Program	Groundwater	Stormwater	3	75	1	76	Grace
2/5/2019	Roanoke City	Noel C Taylor	Classroom Program	Groundwater	Stormwater	1	20	3	23	Grace
2/5/2019	Roanoke City	Noel C Taylor	Classroom Program	Enviroscape	SW/Litter	1	20	3	23	Grace
2/5/2019	Roanoke City	Noel C Taylor	Classroom Program	World Drowning in Plastic	All	1	20	3	23	Grace
2/7/2019	Roanoke City	James Madison MS	Classroom Program	Watersheds to Oceans	SW/Litter	2	60	1	61	Grace
2/7/2019	Roanoke City	James Madison MS	Classroom Program	World Drowning in Plastic	All	2	60	1	61	Grace
2/7/2019	Roanoke City	James Madison MS	Classroom Program	Groundwater	Stormwater	2	60	1	61	Grace
3/21/2019	Roanoke City	Breckenridge MS	Classroom Program	Watersheds to Oceans	SW/Litter	6	210	5	215	Grace
3/21/2019	Roanoke City	Breckenridge MS	Classroom Program	Watersheds to Oceans	SW/Litter	6	210	5	215	Grace
4/2/2019	Roanoke City	James Madison MS	Classroom Program	Oceans of Trash	SW/Litter	1	95	1	96	Grace
4/2/2019	Roanoke City	James Madison MS	Classroom Program	Chemistry of Plastic	Litter/Recycling	1	95	1	96	Grace
4/2/2019	Roanoke City	James Madison MS	Classroom Program	Groundwater	Stormwater	2	95	1	96	Grace
4/9/2019	Roanoke City	Woodrow Wilson MS	Classroom Program	Watersheds to Oceans	SW/Litter	3	75	2	77	Grace
2/27/2019	Roanoke City	Wasena ES	Classroom Program	Who Polluted the River	SW/Litter	2	37	4	41	Brooke
2/28/2019	Roanoke City	Lincoln Terrace ES	Classroom Program	Rigsby/Recycling	All	1	18	2	20	Brooke
3/1/2019	Roanoke City	Morningside ES	Classroom Program	Water Game/ Watershed to Oceans	SW/Litter	1	35	4	39	Brooke
3/5/2019	Roanoke City	Fallon Park ES	Classroom Program	The Water/Green Game	Stormwater	5	91	5	96	Brooke
3/6/2019	Roanoke City	Lincoln Terrace ES	Classroom Program	Wartville Wizard/Natural Resources	All	3	43	7	50	Brooke
3/7/2019	Roanoke City	Round Hill ES	Classroom Program	Rigsby/Recycling	All	6	110	8	118	Brooke
3/8/2019	Roanoke City	Highland Park	Classroom Program	Oceans of Trash	SW/Litter	2	36	4	42	Brooke
3/8/2019	Roanoke City	Highland Park	Classroom Program	Rigsby/Recycling	All	2	46	4	50	Brooke
3/13/2019	Roanoke City	Round Hill ES	Classroom Program	Who Polluted the River	SW/Litter	6	110	8	118	Brooke
3/14/2019	Roanoke City	Garden City ES	Classroom Program	Who Polluted the River	SW/Litter	3	45	5	50	Brooke
3/27/2019	Roanoke City	RAMS	Classroom Program	Rigsby/Recycling	All	3	60	5	65	Brooke
3/28/2019	Roanoke City	Lincoln Terrace ES	Classroom Program	Wartville Wizard/Natural Resources	All	2	50	4	54	Brooke
3/29/2019	Roanoke City	Crystal Springs ES	Classroom Program	Oceans of Trash	SW/Litter	2	50	4	54	Brooke
4/1/2019	Roanoke City	Woodrow Wilson MS	Classroom Program	Watershed to Oceans	SW/Litter	3	60	2	62	Brooke
4/4/2019	Roanoke City	Grandin Court ES	Classroom Program	Rigsby/Recycling	All	3	72	4	76	
4/24/2019	Roanoke City	Round Hill ES	Classroom Program	Who Polluted the River	SW/Litter	6	108		8	
4/25/2019	Roanoke City	Hurt Park ES	Classroom Program	Rigsby/Recycling	All	2	36	4	40	
4/26/2019	Roanoke City	Grandin Court ES	Classroom Program	Wartville Wizard/Natural Resources	All	3	60	5	65	
4/30/2019	Roanoke City	Crystal Springs ES	Classroom Program	Who Polluted the River	SW/Litter	3	69	5	74	
5/8/2019	Roanoke City	Hurt Park ES	Classroom Program	Rigsby/Recycling	All	2	36	4	40	Brooke
5/9/2019	Roanoke City	Preston Park ES	Classroom Program	Rigsby/Recycling	All	4	90	6	96	Brooke
5/13/2019	Roanoke City	Preston Park ES	Classroom Program	Who Polluted the River	SW/Litter	4	90	6	96	Brooke
5/15/2019	Roanoke City	Westside ES	Classroom Program	Wartville Wizard/Natural Resources	All	4	88	4	92	Brooke
5/16/2019	Roanoke City	Westside ES	Classroom Program	Wartville Wizard/Natural Resources	All	4	88	4	92	Brooke

5/22/2019	Roanoke City	Highland Park	Classroom Program	The Water/Green Game	Stormwater	2	60	2	62	Hayley
5/28/2019	Roanoke City	Grandin Court ES	Classroom Program	Watershed to Oceans	SW/Litter	2	48	2	50	Brooke
5/30/2019	Roanoke City	Westside ES	Classroom Program	Rigsby/Recycling	All	3	57	3	60	Brooke
5/31/2019	Roanoke City	Westside ES	Classroom Program	Rigsby/Recycling	All	3	57	3	60	Brooke
6/10/2019	Roanoke City	Several ES	Classroom Program	Coloring Contest	Recycling	0	150	0	150	Brooke
10/2/2018	Roanoke City	Garden City ES	Classroom Program	Oceans of Trash	SW/Litter	2	45	2	47	Hayley, Brooke
10/9/2018	Roanoke City	Lincoln Terrace ES	Classroom Program	Oceans of Trash	SW/Litter	3	51	1	52	Hayley
10/11/2018	Roanoke City	Preston Park ES	Classroom Program	Groundwater	Stormwater	4	80	1	81	Hayley , Brooke
10/19/2018	Roanoke City	Fairview ES	Classroom Program	Groundwater	Stormwater	4	90	4	94	Hayley, Brooke
10/19/2018	Roanoke City	Fairview ES	Classroom Program	Groundwater	Stormwater	4	90	4	94	Hayley, Brooke
10/23/2018	Roanoke City	Garden City ES	Classroom Program	Wartville Wizard/Natural Resources	Litter/Recycle	2	30	2	32	Hayley, Brooke
10/26/2018	Roanoke City	Fisburn Park ES	Classroom Program	Who Polluted the River	Stormwater	2	50	2	52	Hayley
11/1/2018	Roanoke City	Westside ES	Classroom Program	Soil, Who Needs It	Stormwater	4	126	7	133	Hayley, Brooke
12/19/2018	Roanoke City	Lutherin Family Services	Classroom Program	Trash to Treasures	Recycling	1	0	15	15	Grace, Brooke, Nikki
12/20/2018	Roanoke City	Grandin Court ES	Classroom Program	Watershed to Oceans	SW/Litter	2	48	0	48	Brooke
2/5/2019	Roanoke City	Crystal Springs ES	Classroom Program	Soil, Who Needs It?	Stormwater	3	60	4	64	Brooke
2/12/2019	Roanoke City	Highland Park	Classroom Program	Groundwater	Stormwater	1	20	2	22	Brooke
2/13/2019	Roanoke City	Highland Park	Classroom Program	Groundwater	Stormwater	1	24	2	26	Brooke
10/11/2018	Roanoke City	Preston Park ES	Classroom Program	Groundwater	Stormwater	4	80	1	81	Hayley, Brooke
11/1/2018	Roanoke City	Westside ES	Classroom Program	Soil, Who Needs It?	Stormwater	4	126	7	133	Hayley, Brooke
11/9/2018	Roanoke City	Morningside ES	Classroom Program	Watershed to Oceans	SW/Litter	2	41	1	42	Brooke
11/9/2018	Roanoke City	Morningside ES	Classroom Program	Oceans of Trash	SW/Litter	2	42	2	44	Brooke
11/14/2018	Roanoke City	Monterey ES	Classroom Program	Oceans of Trash	SW/Litter	4	100	2	102	Brooke
11/16/2018	Roanoke City	Wasena ES	Classroom Program	Rigsby/Recycling	Litter/Recycling	2	37	3	40	Brooke
11/27/2018	Roanoke City	Crystal Springs ES	Classroom Program	Rigsby/Recycling	Litter/Recycling	3	63	4	67	Brooke
11/28/2018	Roanoke City	Fairview ES	Classroom Program	Soil, Who Needs It?	Stormwater	4	80	5	85	Brooke
11/30/2018	Roanoke City	Garden City ES	Classroom Program	Rigsby/Recycling	Litter/Recycling	3	45	2	47	Brooke
12/18/2018	Roanoke City	Crystal Springs ES	Classroom Program	Wartville Wizard/Natural Resources	Litter/Recycling	2	50	2	52	Brooke
TOTAL ROANOKE CITY						248	5776	252	5930	

12/19/2018	All	Lutheran Family Services	Classroom Program	Trash to Treasure	Recycling	1	0	15	15	Nikki, Brooke, Grace
5/15/2019	ALL	Community HS - PBL	Classroom Program	Watershed to Oceans	All	6	120	4	124	Grace, Mary Ann, Brooke, Nikki, Meg
6/21/2019	All	Roanoke Catholic School	Classroom Program	Wartville Wizard	All	1	20	2	22	Hayley
6/21/2019	All	Roanoke Catholic School	Classroom Program	Who Polluted the River	SW/Litter	1	20	2	22	Hayley
9/25/2018	Roanoke County	Oak Grove ES	Classroom Program	Wartville Wizard/Natural Resources	Litter/Recycle	3	60	3	63	Hayley
9/28/2018	Roanoke County	Oak Grove ES	Classroom Program	Watershed to Oceans	SW/Litter	4	76	4	80	Hayley
10/16/2018	Roanoke County	Mountain View ES	Classroom Program	The Water/Green Game	Stormwater	3	52	1	53	Hayley, Brooke
10/16/2018	Roanoke County	Mountain View ES	Classroom Program	The Water/Green Game	Stormwater	3	52	1	53	Hayley, Brooke
10/23/2018	Roanoke County	Garden City ES	Classroom Program	Wartville Wizard/Natural Resources	Litter/Recycling	2	30	2	32	Hayley, Brooke
12/4/2018	Roanoke County	Mt. Pleasant	Classroom Program	Wartville Wizard/Natural Resources	Litter/Recycling	3	71	3	74	Brooke
11/17/2018	Roanoke County	Northside MS	Classroom Program	Watersheds to Oceans	All	3	80	1	81	Grace
12/6/2018	Roanoke County	William Byrd MS	Classroom Program	Groundwater	Stormwater	3	105	2	107	Grace
12/7/2018	Roanoke County	William Byrd MS	Classroom Program	Groundwater	Stormwater	3	105	2	107	Grace
2/12/2019	Roanoke County	William Byrd MS	Classroom Program	Groundwater	Stormwater	1	20	4	24	Grace
2/14/2019	Roanoke County	Cave Spring HS	Classroom Program	Groundwater	Stormwater	3	105	3	108	Grace
2/15/2020	Roanoke County	Cave Spring HS	Classroom Program	Groundwater	Stormwater	3	105	3	108	Grace
2/19/2019	Roanoke County	Cave Spring HS	Classroom Program	Groundwater	Stormwater	3	105	3	108	Grace
2/20/2019	Roanoke County	Cave Spring HS	Classroom Program	Groundwater	Stormwater	3	105	3	108	Grace
3/6/2019	Roanoke County	Northside HS	Classroom Program	Enviroscape	SW/Litter	3	90	3	93	Grace
3/7/2019	Roanoke County	Northside HS	Classroom Program	Enviroscape	SW/Litter	3	90	3	93	Grace
3/19/2019	Roanoke County	William Byrd MS	Classroom Program	Watersheds to Oceans	SW/Litter	3	105	3	108	Grace
3/20/2019	Roanoke County	William Byrd MS	Classroom Program	Watersheds to Oceans	SW/Litter	3	105	3	108	Grace
3/28/2019	Roanoke County	William Byrd HS	Classroom Program	Watersheds to Oceans	SW/Litter	3	60	2	62	Grace
3/29/2019	Roanoke County	William Byrd HS	Classroom Program	Watersheds to Oceans	SW/Litter	3	60	2	62	Grace
4/30/2019	Roanoke County	William Byrd MS	Classroom Program	Groundwater	Stormwater	3	90	4	94	Grace
2/25/2019	Roanoke County	Parks and Rec	Classroom Program	World Drowning in Plastic	SW/Litter	1	14	2	16	Grace, Brooke
2/1/2019	Roanoke County	Penn Forest	Classroom Program	Wartville Wizard/Natural Resources	All	3	60	4	64	Brooke
2/11/2019	Roanoke County	Green Valley ES	Classroom Program	Oceans of Trash	SW/Litter	4	80	6	86	Brooke
2/19/2019	Roanoke County	Penn Forest ES	Classroom Program	Oceans of Trash	SW/Litter	4	88	6	94	Brooke
2/20/2019	Roanoke County	Green Valley ES	Classroom Program	Who Polluted the River	SW/Litter	4	95	7	102	Brooke
2/25/2019	Roanoke County	Brambleton Center	Classroom Program	Rigsby/Recycling	Recycling	1	0	14	7	Brooke, Grace
2/26/2019	Roanoke County	Clearbrook ES	Classroom Program	Oceans of Trash	SW/Litter	3	50	5	55	Brooke
3/12/2019	Roanoke County	Burlington	Classroom Program	The Water/Green Game	Stormwater	2	36	2	38	Brooke, Meg
3/15/2019	Roanoke County	Oak Grove	Classroom Program	The Water/Green Game	Stormwater	3	66	5	71	Brooke
3/19/2019	Roanoke County	Oak Grove	Classroom Program	Who Polluted the River	SW/Litter	2	30	3	33	Brooke, Meg
3/21/2019	Roanoke County	Oak Grove	Classroom Program	Who Polluted the River	SW/Litter	4	88	6	94	Brooke
3/29/2019	Roanoke County	Fort Lewis	Classroom Program	Wartville Wizard/Natural Resources	All	2	31	4	35	Brooke
4/3/2019	Roanoke County	Penn Forest ES	Classroom Program	Watershed to Oceans	SW/Litter	2	35	3	38	Brooke, Meg
4/5/2019	Roanoke County	Back Creek ES	Classroom Program	Rigsby/Recycling	All	3	55	6	61	Brooke
4/6/2019	Roanoke County	Back Creek ES	Classroom Program	Rigsby/Recycling	All	1	14	2	16	Brooke
4/12/2019	Roanoke County	Oak Grove ES	Classroom Program	Rigsby/Recycling	All	4	88	6	94	Brooke
4/23/2019	Roanoke County	Green Valley ES	Classroom Program	Wartville Wizard/Natural Resources	All	4	80	6	86	Brooke
TOTAL ROANOKE COUNTY						117	2741	165	2899	

11/13/2018	Vinton	William Byrd MS	Classroom Program	Watersheds to Oceans	All	3	75	2	77	Grace
11/14/2018	Vinton	William Byrd MS	Classroom Program	Watersheds to Oceans	All	3	75	3	78	Grace
2/14/2019	Vinton	Mt. Pleasant	Classroom Program	The Water/Green Game	Stormwater	2	34	4	38	Brooke
3/1/2019	Vinton	Mt. Pleasant	Classroom Program	Who Polluted the River	SW/Litter	2	48	4	52	Brooke
VINTON						10	232	13	245	

3/13/2019	Salem	Andrew Lewis	Classroom Program	World Drowning in Plastic	All	3	75	2	77	Grace
2/21/2019	Salem	East Salem	Classroom Program	Rigsby/Recycling	SW/Litter	4	68	6	74	Brooke
3/20/2019	Salem	West Salem	Classroom Program	Oceans of Trash	SW/Litter	4	93	6	99	Brooke
3/22/2019	Salem	West Salem	Classroom Program	Watershed to Oceans	SW/Litter	4	93	6	99	Brooke
4/9/2019	Salem	West Salem ES	Classroom Program	Rigsby/Recycling	All	2	33	1	34	Brooke, Meg
5/7/2019	Salem	Glenvar	Classroom Program	The Water/Green Game	Stormwater	3	90	3	40	Hayley
SALEM						20	452	24	423	

Total Classroom School Programs				# Programs	# Students Participants	# Adult Participants	Total
TOTAL ALL				9	160	23	183
TOTAL ROANOKE CITY				248	5776	252	5930
TOTAL ROANOKE COUNTY				117	2741	158	2899
TOTAL VINTON				10	232	13	245
TOTAL SALEM				20	452	24	423
Total All Communities				404	9361	470	9680



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Reporting Quarter

- X Quarter 1
- X Quarter 2
- X Quarter 3
- X Quarter 4

BMP 1.4 Stormwater Education Program

<u>Classroom Program</u>	<u>High Priority Issue Addressed</u>
1 Green Game	Pollution Prevention
2 Groundwater	Excess bacteria, sediment and nutrients
3 Oceans of Trash	Excess bacteria, sediment and nutrients
4 Soil: Who Needs it	Sediment, nutrients
5 Water Game	Excess bacteria, sediment and nutrients
6 Watersheds to Oceans	Excess bacteria, sediment and nutrients
7 Who Polluted the River	Excess bacteria, sediment and nutrients
8 Stormdrain Stenciling	Excess bacteria, sediment and nutrients
9 Rigsby	Pollution Prevention
10 Wartville Wizard	Pollution Prevention, nutrients
11 A World Drowning in Plastic	Pollution Prevention, nutrients
12 PBL - Litter Booms	Excess bacteria, sediment and nutrients



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Reporting Quarter

- X Quarter 1
- X Quarter 2
- X Quarter 3
- X Quarter 4

MCM 1: BMP #1.5 Stormwater Educational Programs and Publications for Adult & General Audience

	Date	Location	School or Outreach Group	Program	Issued Addressed	Number of Programs	Total Students	Total Adults	Total Attendance	Staff Present
1	7/14/2018	City of Roanoke	NW Neighborhood Clean Up	Event/Festival	Litter	1	25	75	100	Nikki, Mary Ann
2	7/20/2018	City of Roanoke	Habitat Ribbon Cutting	Event/Festival	Litter/Recycling	1	15	50	65	Mary Ann
3	7/25/2018	City of Roanoke	SE Neighborhood Jackson Park	Event/Festival	Litter/Recycling	1	400	600	1000	Nikki, Hayley
4	8/3/2018	All	Fashionista - Taubman	Event/Festival	Recycling	1	50	150	200	All
5	8/18/2018	City of Roanoke	Tinker Creek Clean Up	Event/Festival	SW/Litter	1		100	100	Mary Ann, Grace, Hayley, Brooke
6	8/21/2018	City of Roanoke	Habitat Ribbon Cutting	Event/Festival	Litter/Recycling	1	10	50	60	Mary Ann
7	9/24/2018	Botetourt	Botetourt County Country Women's Club	Meeting	Litter/Recycling	1		35	35	Mary Ann, Grace
8	9/26/2018	ALL	Banff Film Festival	Event/Festival	All	1	30	150	180	Grace, Nikki
9	9/27/2018	City of Roanoke	Green Academy	Meeting	All	1		24	24	Mary Ann, Hayley
10	9/29/2018	ALL	Daisy Fest	Event/Festival	All	2	100	230	330	Grace, Hayley
11	9/29/2018	ALL	Fall Waterways Clean Up	Event/Festival	Litter/Recycling	1	100	542	642	ALL
12	9/29/2018	ALL	Soaring Ridge After Party	Event/Festival	All	1	15	150	165	ALL
13	10/12-14/2018	ALL	GoFest	Event/Festival	All	4	300	100	400	ALL
14	10/19/2018	ALL	Soaring Ridge Trivia Nite	Event/Festival	Stormwater	1	10	30	40	ALL
15	11/20/2018	City of Roanoke	Rain Barrel Workshop	Classroom Program	Stormwater	1	1	8	9	Mary Ann, Brooke
16	11/2/2018	ALL	Earth Summit	Classroom Program	Stormwater	10	85	25	110	ALL
17	11/2/2018	ALL	Earth Summit - Evening Event	Event/Festival	All	1	0	55	55	ALL
18	11/7/2018	Botetourt	Young at Heart	Classroom Program	Recycling	1	0	35		Mary Ann
19	11/17/2018	City of Roanoke	Habitat Ribbon Cutting	Event/Festival	Recycling	1	15	35	50	Nikki
20	12/19/2018	ALL	Lutheran Family Services	Event	Stormwater, Recycling	1	0	20	20	Nikki, Grace
21	2/25/2019	Roanoke County	Brambleton Center REC Class	Classroom Program	Recycling	1	0	14	14	Brooke, Grace
22	3/1/2019	ALL	Ballast Point Trivia Nite	Event	Stormwater	1	0	64	64	ALL
23	3/2/2019	ALL	Habitat Ribbon Cutting	Event/Festival	ALL	1	18	25	43	Nikki
24	3/6/2019	ALL	Habitat Ribbon Cutting	Event/Festival	ALL	1	12	32	44	Mary Ann

25	3/9/2019	ALL	Habitat Ribbon Cutting	Event/Festival	ALL	1	10	26	36	Mary Ann
		Total Outreach & Adult Education				38	1,196	2,625	3,786	



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X Quarter 1
X Quarter 2
X Quarter 3
X Quarter 4

MCM 2: BMP #2.1 Storm Drain Stenciling Program

Date	Location	Area	Marked	Volunteers
9/6/2018	RC	Glenvar: Mendham Way, HSE# 400,594,501,581,574	7	3
9/6/2018	RC	Glenvar: Duxbury Lane, HSE#505,508	2	3
9/6/2018	RC	Glenvar: Texas Hollow, HSE #508	1	3
9/6/2018	RC	Glenvar: Creekwood Dr., HSE #2803, 2808, 2843, 2903, 2911, 2808	6	3
9/6/2018	RC	Glenvar: Beaver Brook, HSE #2843, 1276	2	3
9/6/2018	RC	Glenvar: Bent Tree Circle, HSE #2911, 2910	2	3
9/6/2018	RC	Glenvar: Crown Circle, HSE #2803, 2804	3	3
10/30/2018	RC	William Byrd High School	20	3
10/30/2018	RC	Spring Grove Dr.	13	3
10/30/2018	RC	Intersection of Tulip Ln/Spring Grove Dr.	2	3
10/30/2018	RC	Azalea Circle	2	3
TOTAL - Roanoke County			60	19

Date	Location	Area	Marked	Volunteers
9/6/2018	Salem	Intersection Broad and Main	5	3
9/6/2018	Salem	S. Bruffey St, HSE #201	2	3
9/6/2018	Salem	N. Bruffey St. HSE #16, 19, 216,300,402,403,420,423	8	3
9/6/2018	Salem	Bruffey - West Salem Elementary	2	3
9/6/2018	Salem	Intersection Bruffey and Main	3	3
9/6/2018	Salem	Goodwin Ave, HSE #203, 206, 216, 223, 300, 401, 402, 431	9	3
9/6/2018	Salem	Intersection Goodwin and Main	1	3
TOTAL - Salem			30	18

Date	Location	Area	Marked	Volunteers
11/5/2018	Vinton	Corner of WV Ave/2nd St. #120 WV Ave, 203, 210	3	3
11/5/2018	Vinton	Corner of WV Ave/3rd St. #240, 300 WV Ave, 304, 603 3rd St.	4	3
11/5/2018	Vinton	Back alley behind Rescue Station #2 and Walnut Ave	2	3
11/5/2018	Vinton	Corner of W Lee Ave/Walnut Ave, 123 W Lee Ave	3	3
11/5/2018	Vinton	Corner of Maple St./Washington Ave #115 S Maple St., 210, 218, 219 Washington Ave	4	3
11/5/2018	Vinton	Corner of Poplar St./Washington Ave #301, 302 Washington Ave	2	3
TOTAL - Vinton			18	15

<i>Date</i>	<i>Location</i>	<i>Area</i>	<i>Marked</i>	<i>Volunteers</i>
10/31/2018	Roanoke	Intersection of Montrose Ave SE/Morningside St. SE/Taylor Ave SE/ 11th St. SE	6	3
10/31/2018	Roanoke	Intersection of Morton Ave SE/Taylor Ave SE	3	3
10/31/2018	Roanoke	Intersection of Taylor Ave SE/Tompkins Ave SE	1	3
10/31/2018	Roanoke	Intersection of Taylor Ave/Main St. SE	1	3
10/31/2018	Roanoke	Curve of Miami St. SE near intersection of Morningside St. SE	2	3
10/31/2018	Roanoke	On Morningside SE near intersection of Miami St. SE	2	3
10/31/2018	Roanoke	Morningside St. SE near intersection of Penrod Ave SE	1	3
10/31/2018	Roanoke	Intersection of Morningside SE/Penmar Ave SE	4	3
10/31/2018	Roanoke	Intersection of Wilson St. SE/Penrod St. SE	3	3
10/31/2018	Roanoke	Intersection of Wilson St. SE/Penmar St. SE	3	3
12/3/2018	Roanoke	Intersection of 10th St./Orange Ave	4	3
12/3/2018	Roanoke	Intersection of McDowell Ave/10th St.	6	3
12/3/2018	Roanoke	Intersection of Madison Ave/10th St.	8	3
12/3/2018	Roanoke	Intersection of Moorman Ave NW/10th St.	4	3
12/3/2018	Roanoke	Intersection of Fairfax Ave NW/10th St.	7	3
12/3/2018	Roanoke	Moorman Ave NW	2	3
12/3/2018	Roanoke	Intersection of Staunton Ave NW/Eureka Circle NW	2	3
12/3/2018	Roanoke	Intersection of 16th St. NW/Staunton Ave	6	3
12/3/2018	Roanoke	Intersection of 20th St. NW/Orange Ave	4	3
12/3/2018	Roanoke	Intersection of 19th St. NW/Hanover Ave NW	3	3
12/3/2018	Roanoke	Intersection of 19th St. NW/Andrews Rd NW	1	3
12/3/2018	Roanoke	Intersection of Top Hill Dr. NW/19th St. NW	2	3

TOTAL - Roanoke City

75

63



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Reporting Quarter

- X** Quarter 1
- X** Quarter 2
- X** Quarter 3
- X** Quarter 4

BMP 2.2 Public Involvement and Participation - Community Wide Public Events

Event & High Priority Issue Addressed	Attendance	Date	Materials Distributed
Fall Waterways Cleanup Excess bacteria, sediments, nutrients	642	9/29/2018	Gloves, Bags, Event T-shirts (Reclaim our Rivers), Safety Kits, Clean Up After Your Poop and Citizens Guide to Understanding Stormwater brochures
Go Fest (booth, stream school, program) Excess bacteria, sediments, nutrients	38,000	10/12-14/2017	Chip Clips, pencils, Lanyards, stickers
Earth Summit - Evening Event Roanoke River	55	11/2/2018	Yearbooks
Clean Valley Day Clean Up Excess bacteria, sediments, nutrients	1253	4/6/2019	T-shirts, SW Literature, Gloves, Bags, Safety Kits
Salem Riverfest - Excess bacteria, sediments, nutrients	600	4/13/2019	Bracelets, Stickers, T-shirts
Grandin Earth Day - Excess bacteria, sediments, nutrients	1500	4/20/2019	Crafts, Bags, SW Literature
Party for the Planet with Mill Mountain Zoo - Excess bacteria	400	4/27/2019	Crafts
Riverfest Excess bacteria, sediments, nutrients	600	6/29/2019	T-shirts, SW Literature, Stickers, Ducks and Candy
Total Public Involvement Events	43050		

Appendix B: Documentation of Public Involvement Activities



Annual Report for Stormwater Programs
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Reporting Quarter

- X Quarter 1
- X Quarter 2
- X Quarter 3
- X Quarter 4

MCM 1: BMP# 1.4 Stormwater Educational Programs

Date	Municipality	School	Type of Event	Program Name	Issue Addressed	# Programs	# Children	# Adults	Total Reached	Staff Present
12/19/2018	All	Lutheran Family Services	Classroom Program	Trash to Treasure	Recycling	1	0	15	15	Nikki, Brooke, Grace
5/15/2019	ALL	Community HS - PBL	Classroom Program	Watershed to Oceans	All	6	120	4	124	Grace, Mary Ann, Brooke, Nikki, Meg
6/21/2019	All	Roanoke Catholic School	Classroom Program	Wartville Wizard	All	1	20	2	22	Hayley
6/21/2019	All	Roanoke Catholic School	Classroom Program	Who Polluted the River	SW/Litter	1	20	2	22	Hayley
TOTAL ALL						9	160	23	183	

8/31/2018	Roanoke City	Franklin County HS	Classroom Program	World Drowning in Plastic	All	2	36	2	38	Grace, Hayley
9/13/2018	Roanoke City	Breckinridge MS	Classroom Program	Groundwater	Stormwater	8	140	2	142	Grace, Hayley
9/13/2018	Roanoke City	Breckinridge MS	Classroom Program	Groundwater	Stormwater	6	140	2	142	Hayley, Grace
9/14/2018	Roanoke City	Breckinridge MS	Classroom Program	Groundwater	Stormwater	8	140	2	142	Grace, Hayley
9/14/2018	Roanoke City	Breckinridge MS	Classroom Program	Groundwater	Stormwater	5	120	2	122	Hayley, Grace
9/21/2018	Roanoke City	Fisburn Park ES	Classroom Program	Rigsby/Recycling	Litter/Recycle	2	50	2	52	Hayley
9/28/2018	Roanoke City	Gov School	Classroom Program	Groundwater	Stormwater	1	25	1	26	Grace
10/10/2018	Roanoke City	James Madison MS	Classroom Program	Oceans of Trash	SW/Litter	1	95	1	96	Grace
10/10/2018	Roanoke City	James Madison MS	Classroom Program	Chemistry of Plastic	Litter/Recycling	1	95	1	96	Grace
10/10/2018	Roanoke City	James Madison MS	Classroom Program	Groundwater	Stormwater	2	95	1	96	Grace
9/28/2018	Roanoke City	Gov School	Classroom Program	Groundwater	Stormwater	1	25	1	26	Grace
10/30/2018	Roanoke City	Grandin Court ES	Classroom Program	Soil, Who Needs It	Stormwater	3	51	3	54	Hayley, Brooke
10/30/2018	Roanoke City	Grandin Court ES	Classroom Program	Soil, Who Needs It?	Stormwater	3	51	3	54	Hayley, Brooke
11/15/2018	Roanoke City	James Madison MS	Classroom Program	Oceans of Trash	SW/Litter	6	95	2	97	Grace
11/15/2018	Roanoke City	James Madison MS	Classroom Program	Chemistry of Plastic	Litter/Recycling	6	95	2	97	Grace
11/15/2018	Roanoke City	James Madison MS	Classroom Program	Groundwater	Stormwater	6	95	2	97	Grace
11/30/2018	Roanoke City	Forest Park	Classroom Program	Groundwater	SW/Litter	7	55	2	57	Grace
2/1/2019	Roanoke City	Woodrow Wilson MS	Classroom Program	Groundwater	Stormwater	3	75	1	76	Grace
2/5/2019	Roanoke City	Noel C Taylor	Classroom Program	Groundwater	Stormwater	1	20	3	23	Grace
2/5/2019	Roanoke City	Noel C Taylor	Classroom Program	Enviroscape	SW/Litter	1	20	3	23	Grace
2/5/2019	Roanoke City	Noel C Taylor	Classroom Program	World Drowning in Plastic	All	1	20	3	23	Grace
2/7/2019	Roanoke City	James Madison MS	Classroom Program	Watersheds to Oceans	SW/Litter	2	60	1	61	Grace
2/7/2019	Roanoke City	James Madison MS	Classroom Program	World Drowning in Plastic	All	2	60	1	61	Grace
2/7/2019	Roanoke City	James Madison MS	Classroom Program	Groundwater	Stormwater	2	60	1	61	Grace
3/21/2019	Roanoke City	Breckenridge MS	Classroom Program	Watersheds to Oceans	SW/Litter	6	210	5	215	Grace
3/21/2019	Roanoke City	Breckenridge MS	Classroom Program	Watersheds to Oceans	SW/Litter	6	210	5	215	Grace
4/2/2019	Roanoke City	James Madison MS	Classroom Program	Oceans of Trash	SW/Litter	1	95	1	96	Grace
4/2/2019	Roanoke City	James Madison MS	Classroom Program	Chemistry of Plastic	Litter/Recycling	1	95	1	96	Grace
4/2/2019	Roanoke City	James Madison MS	Classroom Program	Groundwater	Stormwater	2	95	1	96	Grace
4/9/2019	Roanoke City	Woodrow Wilson MS	Classroom Program	Watersheds to Oceans	SW/Litter	3	75	2	77	Grace
2/27/2019	Roanoke City	Wasena ES	Classroom Program	Who Polluted the River	SW/Litter	2	37	4	41	Brooke
2/28/2019	Roanoke City	Lincoln Terrace ES	Classroom Program	Rigsby/Recycling	All	1	18	2	20	Brooke
3/1/2019	Roanoke City	Morningside ES	Classroom Program	Water Game/ Watershed to Oceans	SW/Litter	1	35	4	39	Brooke
3/5/2019	Roanoke City	Fallon Park ES	Classroom Program	The Water/Green Game	Stormwater	5	91	5	96	Brooke
3/6/2019	Roanoke City	Lincoln Terrace ES	Classroom Program	Wartville Wizard/Natural Resources	All	3	43	7	50	Brooke
3/7/2019	Roanoke City	Round Hill ES	Classroom Program	Rigsby/Recycling	All	6	110	8	118	Brooke
3/8/2019	Roanoke City	Highland Park	Classroom Program	Oceans of Trash	SW/Litter	2	36	4	42	Brooke
3/8/2019	Roanoke City	Highland Park	Classroom Program	Rigsby/Recycling	All	2	46	4	50	Brooke
3/13/2019	Roanoke City	Round Hill ES	Classroom Program	Who Polluted the River	SW/Litter	6	110	8	118	Brooke
3/14/2019	Roanoke City	Garden City ES	Classroom Program	Who Polluted the River	SW/Litter	3	45	5	50	Brooke
3/27/2019	Roanoke City	RAMS	Classroom Program	Rigsby/Recycling	All	3	60	5	65	Brooke
3/28/2019	Roanoke City	Lincoln Terrace ES	Classroom Program	Wartville Wizard/Natural Resources	All	2	50	4	54	Brooke
3/29/2019	Roanoke City	Crystal Springs ES	Classroom Program	Oceans of Trash	SW/Litter	2	50	4	54	Brooke
4/1/2019	Roanoke City	Woodrow Wilson MS	Classroom Program	Watershed to Oceans	SW/Litter	3	60	2	62	Brooke
4/4/2019	Roanoke City	Grandin Court ES	Classroom Program	Rigsby/Recycling	All	3	72	4	76	
4/24/2019	Roanoke City	Round Hill ES	Classroom Program	Who Polluted the River	SW/Litter	6	108		8	
4/25/2019	Roanoke City	Hurt Park ES	Classroom Program	Rigsby/Recycling	All	2	36	4	40	
4/26/2019	Roanoke City	Grandin Court ES	Classroom Program	Wartville Wizard/Natural Resources	All	3	60	5	65	
4/30/2019	Roanoke City	Crystal Springs ES	Classroom Program	Who Polluted the River	SW/Litter	3	69	5	74	
5/8/2019	Roanoke City	Hurt Park ES	Classroom Program	Rigsby/Recycling	All	2	36	4	40	Brooke
5/9/2019	Roanoke City	Preston Park ES	Classroom Program	Rigsby/Recycling	All	4	90	6	96	Brooke
5/13/2019	Roanoke City	Preston Park ES	Classroom Program	Who Polluted the River	SW/Litter	4	90	6	96	Brooke
5/15/2019	Roanoke City	Westside ES	Classroom Program	Wartville Wizard/Natural Resources	All	4	88	4	92	Brooke
5/16/2019	Roanoke City	Westside ES	Classroom Program	Wartville Wizard/Natural Resources	All	4	88	4	92	Brooke

5/22/2019	Roanoke City	Highland Park	Classroom Program	The Water/Green Game	Stormwater	2	60	2	62	Hayley
5/28/2019	Roanoke City	Grandin Court ES	Classroom Program	Watershed to Oceans	SW/Litter	2	48	2	50	Brooke
5/30/2019	Roanoke City	Westside ES	Classroom Program	Rigsby/Recycling	All	3	57	3	60	Brooke
5/31/2019	Roanoke City	Westside ES	Classroom Program	Rigsby/Recycling	All	3	57	3	60	Brooke
6/10/2019	Roanoke City	Several ES	Classroom Program	Coloring Contest	Recycling	0	150	0	150	Brooke
10/2/2018	Roanoke City	Garden City ES	Classroom Program	Oceans of Trash	SW/Litter	2	45	2	47	Hayley, Brooke
10/9/2018	Roanoke City	Lincoln Terrace ES	Classroom Program	Oceans of Trash	SW/Litter	3	51	1	52	Hayley
10/11/2018	Roanoke City	Preston Park ES	Classroom Program	Groundwater	Stormwater	4	80	1	81	Hayley, Brooke
10/19/2018	Roanoke City	Fairview ES	Classroom Program	Groundwater	Stormwater	4	90	4	94	Hayley, Brooke
10/19/2018	Roanoke City	Fairview ES	Classroom Program	Groundwater	Stormwater	4	90	4	94	Hayley, Brooke
10/23/2018	Roanoke City	Garden City ES	Classroom Program	Wartville Wizard/Natural Resources	Litter/Recycle	2	30	2	32	Hayley, Brooke
10/26/2018	Roanoke City	Fisburn Park ES	Classroom Program	Who Polluted the River	Stormwater	2	50	2	52	Hayley
11/1/2018	Roanoke City	Westside ES	Classroom Program	Soil, Who Needs It	Stormwater	4	126	7	133	Hayley, Brooke
12/19/2018	Roanoke City	Lutherin Family Services	Classroom Program	Trash to Treasures	Recycling	1	0	15	15	Grace, Brooke, Nikki
12/20/2018	Roanoke City	Grandin Court ES	Classroom Program	Watershed to Oceans	SW/Litter	2	48	0	48	Brooke
2/5/2019	Roanoke City	Crystal Springs ES	Classroom Program	Soil, Who Needs It?	Stormwater	3	60	4	64	Brooke
2/12/2019	Roanoke City	Highland Park	Classroom Program	Groundwater	Stormwater	1	20	2	22	Brooke
2/13/2019	Roanoke City	Highland Park	Classroom Program	Groundwater	Stormwater	1	24	2	26	Brooke
10/11/2018	Roanoke City	Preston Park ES	Classroom Program	Groundwater	Stormwater	4	80	1	81	Hayley, Brooke
11/1/2018	Roanoke City	Westside ES	Classroom Program	Soil, Who Needs It?	Stormwater	4	126	7	133	Hayley, Brooke
11/9/2018	Roanoke City	Morningside ES	Classroom Program	Watershed to Oceans	SW/Litter	2	41	1	42	Brooke
11/9/2018	Roanoke City	Morningside ES	Classroom Program	Oceans of Trash	SW/Litter	2	42	2	44	Brooke
11/14/2018	Roanoke City	Monterey ES	Classroom Program	Oceans of Trash	SW/Litter	4	100	2	102	Brooke
11/16/2018	Roanoke City	Wasena ES	Classroom Program	Rigsby/Recycling	Litter/Recycling	2	37	3	40	Brooke
11/27/2018	Roanoke City	Crystal Springs ES	Classroom Program	Rigsby/Recycling	Litter/Recycling	3	63	4	67	Brooke
11/28/2018	Roanoke City	Fairview ES	Classroom Program	Soil, Who Needs It?	Stormwater	4	80	5	85	Brooke
11/30/2018	Roanoke City	Garden City ES	Classroom Program	Rigsby/Recycling	Litter/Recycling	3	45	2	47	Brooke
12/18/2018	Roanoke City	Crystal Springs ES	Classroom Program	Wartville Wizard/Natural Resources	Litter/Recycling	2	50	2	52	Brooke
TOTAL ROANOKE CITY						248	5776	252	5930	

12/19/2018	All	Lutheran Family Services	Classroom Program	Trash to Treasure	Recycling	1	0	15	15	Nikki, Brooke, Grace
5/15/2019	ALL	Community HS - PBL	Classroom Program	Watershed to Oceans	All	6	120	4	124	Grace, Mary Ann, Brooke, Nikki, Meg
6/21/2019	All	Roanoke Catholic School	Classroom Program	Wartville Wizard	All	1	20	2	22	Hayley
6/21/2019	All	Roanoke Catholic School	Classroom Program	Who Polluted the River	SW/Litter	1	20	2	22	Hayley
9/25/2018	Roanoke County	Oak Grove ES	Classroom Program	Wartville Wizard/Natural Resources	Litter/Recycle	3	60	3	63	Hayley
9/28/2018	Roanoke County	Oak Grove ES	Classroom Program	Watershed to Oceans	SW/Litter	4	76	4	80	Hayley
10/16/2018	Roanoke County	Mountain View ES	Classroom Program	The Water/Green Game	Stormwater	3	52	1	53	Hayley, Brooke
10/16/2018	Roanoke County	Mountain View ES	Classroom Program	The Water/Green Game	Stormwater	3	52	1	53	Hayley, Brooke
10/23/2018	Roanoke County	Garden City ES	Classroom Program	Wartville Wizard/Natural Resources	Litter/Recycling	2	30	2	32	Hayley, Brooke
12/4/2018	Roanoke County	Mt. Pleasant	Classroom Program	Wartville Wizard/Natural Resources	Litter/Recycling	3	71	3	74	Brooke
11/17/2018	Roanoke County	Northside MS	Classroom Program	Watersheds to Oceans	All	3	80	1	81	Grace
12/6/2018	Roanoke County	William Byrd MS	Classroom Program	Groundwater	Stormwater	3	105	2	107	Grace
12/7/2018	Roanoke County	William Byrd MS	Classroom Program	Groundwater	Stormwater	3	105	2	107	Grace
2/12/2019	Roanoke County	William Byrd MS	Classroom Program	Groundwater	Stormwater	1	20	4	24	Grace
2/14/2019	Roanoke County	Cave Spring HS	Classroom Program	Groundwater	Stormwater	3	105	3	108	Grace
2/15/2020	Roanoke County	Cave Spring HS	Classroom Program	Groundwater	Stormwater	3	105	3	108	Grace
2/19/2019	Roanoke County	Cave Spring HS	Classroom Program	Groundwater	Stormwater	3	105	3	108	Grace
2/20/2019	Roanoke County	Cave Spring HS	Classroom Program	Groundwater	Stormwater	3	105	3	108	Grace
3/6/2019	Roanoke County	Northside HS	Classroom Program	Enviroscape	SW/Litter	3	90	3	93	Grace
3/7/2019	Roanoke County	Northside HS	Classroom Program	Enviroscape	SW/Litter	3	90	3	93	Grace
3/19/2019	Roanoke County	William Byrd MS	Classroom Program	Watersheds to Oceans	SW/Litter	3	105	3	108	Grace
3/20/2019	Roanoke County	William Byrd MS	Classroom Program	Watersheds to Oceans	SW/Litter	3	105	3	108	Grace
3/28/2019	Roanoke County	William Byrd HS	Classroom Program	Watersheds to Oceans	SW/Litter	3	60	2	62	Grace
3/29/2019	Roanoke County	William Byrd HS	Classroom Program	Watersheds to Oceans	SW/Litter	3	60	2	62	Grace
4/30/2019	Roanoke County	William Byrd MS	Classroom Program	Groundwater	Stormwater	3	90	4	94	Grace
2/25/2019	Roanoke County	Parks and Rec	Classroom Program	World Drowning in Plastic	SW/Litter	1	14	2	16	Grace, Brooke
2/1/2019	Roanoke County	Penn Forest	Classroom Program	Wartville Wizard/Natural Resources	All	3	60	4	64	Brooke
2/11/2019	Roanoke County	Green Valley ES	Classroom Program	Oceans of Trash	SW/Litter	4	80	6	86	Brooke
2/19/2019	Roanoke County	Penn Forest ES	Classroom Program	Oceans of Trash	SW/Litter	4	88	6	94	Brooke
2/20/2019	Roanoke County	Green Valley ES	Classroom Program	Who Polluted the River	SW/Litter	4	95	7	102	Brooke
2/25/2019	Roanoke County	Brambleton Center	Classroom Program	Rigsby/Recycling	Recycling	1	0	14	7	Brooke, Grace
2/26/2019	Roanoke County	Clearbrook ES	Classroom Program	Oceans of Trash	SW/Litter	3	50	5	55	Brooke
3/12/2019	Roanoke County	Burlington	Classroom Program	The Water/Green Game	Stormwater	2	36	2	38	Brooke, Meg
3/15/2019	Roanoke County	Oak Grove	Classroom Program	The Water/Green Game	Stormwater	3	66	5	71	Brooke
3/19/2019	Roanoke County	Oak Grove	Classroom Program	Who Polluted the River	SW/Litter	2	30	3	33	Brooke, Meg
3/21/2019	Roanoke County	Oak Grove	Classroom Program	Who Polluted the River	SW/Litter	4	88	6	94	Brooke
3/29/2019	Roanoke County	Fort Lewis	Classroom Program	Wartville Wizard/Natural Resources	All	2	31	4	35	Brooke
4/3/2019	Roanoke County	Penn Forest ES	Classroom Program	Watershed to Oceans	SW/Litter	2	35	3	38	Brooke, Meg
4/5/2019	Roanoke County	Back Creek ES	Classroom Program	Rigsby/Recycling	All	3	55	6	61	Brooke
4/6/2019	Roanoke County	Back Creek ES	Classroom Program	Rigsby/Recycling	All	1	14	2	16	Brooke
4/12/2019	Roanoke County	Oak Grove ES	Classroom Program	Rigsby/Recycling	All	4	88	6	94	Brooke
4/23/2019	Roanoke County	Green Valley ES	Classroom Program	Wartville Wizard/Natural Resources	All	4	80	6	86	Brooke
TOTAL ROANOKE COUNTY						117	2741	165	2899	

11/13/2018	Vinton	William Byrd MS	Classroom Program	Watersheds to Oceans	All	3	75	2	77	Grace
11/14/2018	Vinton	William Byrd MS	Classroom Program	Watersheds to Oceans	All	3	75	3	78	Grace
2/14/2019	Vinton	Mt. Pleasant	Classroom Program	The Water/Green Game	Stormwater	2	34	4	38	Brooke
3/1/2019	Vinton	Mt. Pleasant	Classroom Program	Who Polluted the River	SW/Litter	2	48	4	52	Brooke
VINTON						10	232	13	245	

3/13/2019	Salem	Andrew Lewis	Classroom Program	World Drowning in Plastic	All	3	75	2	77	Grace
2/21/2019	Salem	East Salem	Classroom Program	Rigsby/Recycling	SW/Litter	4	68	6	74	Brooke
3/20/2019	Salem	West Salem	Classroom Program	Oceans of Trash	SW/Litter	4	93	6	99	Brooke
3/22/2019	Salem	West Salem	Classroom Program	Watershed to Oceans	SW/Litter	4	93	6	99	Brooke
4/9/2019	Salem	West Salem ES	Classroom Program	Rigsby/Recycling	All	2	33	1	34	Brooke, Meg
5/7/2019	Salem	Glenvar	Classroom Program	The Water/Green Game	Stormwater	3	90	3	40	Hayley
SALEM						20	452	24	423	

Total Classroom School Programs				# Programs	# Students Participants	# Adult Participants	Total
TOTAL ALL				9	160	23	183
TOTAL ROANOKE CITY				248	5776	252	5930
TOTAL ROANOKE COUNTY				117	2741	158	2899
TOTAL VINTON				10	232	13	245
TOTAL SALEM				20	452	24	423
Total All Communities				404	9361	470	9680



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X Quarter 1
X Quarter 2
X Quarter 3
X Quarter 4

MCM 2: BMP #2.1 Storm Drain Stenciling Program

Date	Location	Area	Marked	Volunteers
9/6/2018	RC	Glenvar: Mendham Way, HSE# 400,594,501,581,574	7	3
9/6/2018	RC	Glenvar: Duxbury Lane, HSE#505,508	2	3
9/6/2018	RC	Glenvar: Texas Hollow, HSE #508	1	3
9/6/2018	RC	Glenvar: Creekwood Dr., HSE #2803, 2808, 2843, 2903, 2911, 2808	6	3
9/6/2018	RC	Glenvar: Beaver Brook, HSE #2843, 1276	2	3
9/6/2018	RC	Glenvar: Bent Tree Circle, HSE #2911, 2910	2	3
9/6/2018	RC	Glenvar: Crown Circle, HSE #2803, 2804	3	3
10/30/2018	RC	William Byrd High School	20	3
10/30/2018	RC	Spring Grove Dr.	13	3
10/30/2018	RC	Intersection of Tulip Ln/Spring Grove Dr.	2	3
10/30/2018	RC	Azalea Circle	2	3
TOTAL - Roanoke County			60	19

Date	Location	Area	Marked	Volunteers
9/6/2018	Salem	Intersection Broad and Main	5	3
9/6/2018	Salem	S. Bruffey St, HSE #201	2	3
9/6/2018	Salem	N. Bruffey St. HSE #16, 19, 216,300,402,403,420,423	8	3
9/6/2018	Salem	Bruffey - West Salem Elementary	2	3
9/6/2018	Salem	Intersection Bruffey and Main	3	3
9/6/2018	Salem	Goodwin Ave, HSE #203, 206, 216, 223, 300, 401, 402, 431	9	3
9/6/2018	Salem	Intersection Goodwin and Main	1	3
TOTAL - Salem			30	18

Date	Location	Area	Marked	Volunteers
11/5/2018	Vinton	Corner of WV Ave/2nd St. #120 WV Ave, 203, 210	3	3
11/5/2018	Vinton	Corner of WV Ave/3rd St. #240, 300 WV Ave, 304, 603 3rd St.	4	3
11/5/2018	Vinton	Back alley behind Rescue Station #2 and Walnut Ave	2	3
11/5/2018	Vinton	Corner of W Lee Ave/Walnut Ave, 123 W Lee Ave	3	3
11/5/2018	Vinton	Corner of Maple St./Washington Ave #115 S Maple St., 210, 218, 219 Washington Ave	4	3
11/5/2018	Vinton	Corner of Poplar St./Washington Ave #301, 302 Washington Ave	2	3
TOTAL - Vinton			18	15

<i>Date</i>	<i>Location</i>	<i>Area</i>	<i>Marked</i>	<i>Volunteers</i>
10/31/2018	Roanoke	Intersection of Montrose Ave SE/Morningside St. SE/Taylor Ave SE/ 11th St. SE	6	3
10/31/2018	Roanoke	Intersection of Morton Ave SE/Taylor Ave SE	3	3
10/31/2018	Roanoke	Intersection of Taylor Ave SE/Tompkins Ave SE	1	3
10/31/2018	Roanoke	Intersection of Taylor Ave/Main St. SE	1	3
10/31/2018	Roanoke	Curve of Miami St. SE near intersection of Morningside St. SE	2	3
10/31/2018	Roanoke	On Morningside SE near intersection of Miami St. SE	2	3
10/31/2018	Roanoke	Morningside St. SE near intersection of Penrod Ave SE	1	3
10/31/2018	Roanoke	Intersection of Morningside SE/Penmar Ave SE	4	3
10/31/2018	Roanoke	Intersection of Wilson St. SE/Penrod St. SE	3	3
10/31/2018	Roanoke	Intersection of Wilson St. SE/Penmar St. SE	3	3
12/3/2018	Roanoke	Intersection of 10th St./Orange Ave	4	3
12/3/2018	Roanoke	Intersection of McDowell Ave/10th St.	6	3
12/3/2018	Roanoke	Intersection of Madison Ave/10th St.	8	3
12/3/2018	Roanoke	Intersection of Moorman Ave NW/10th St.	4	3
12/3/2018	Roanoke	Intersection of Fairfax Ave NW/10th St.	7	3
12/3/2018	Roanoke	Moorman Ave NW	2	3
12/3/2018	Roanoke	Intersection of Staunton Ave NW/Eureka Circle NW	2	3
12/3/2018	Roanoke	Intersection of 16th St. NW/Staunton Ave	6	3
12/3/2018	Roanoke	Intersection of 20th St. NW/Orange Ave	4	3
12/3/2018	Roanoke	Intersection of 19th St. NW/Hanover Ave NW	3	3
12/3/2018	Roanoke	Intersection of 19th St. NW/Andrews Rd NW	1	3
12/3/2018	Roanoke	Intersection of Top Hill Dr. NW/19th St. NW	2	3

TOTAL - Roanoke City

75

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Reporting Quarter

- X Quarter 1
- X Quarter 2
- X Quarter 3
- X Quarter 4

MCM 1: BMP# 1.3 Stream School Seminars

Date	Municipality	School	Type of Event	Program Name	Issue Addressed	# Programs	# Children	# Adults	Total Reached	Staff Present
6/5/2019	ALL	Girl Scouts	Classroom Program	Stream School	Stormwater	1	14	3	17	Brooke, Nikki
TOTAL ALL						1	14	3	17	

9/11/2018	Roanoke City	Woodrow Wilson M	Classroom Program	Stream School	Stormwater	5	37	2	39	Grace, Hayley
9/11/2018	Roanoke City	Woodrow Wilson M	Classroom Program	Stream School	Stormwater	5	37	2	39	Hayley, Grace
9/12/2018	Roanoke City	Woodrow Wilson M	Classroom Program	Stream School	Stormwater	5	37	2	39	Grace, Hayley
9/12/2018	Roanoke City	Woodrow Wilson M	Classroom Program	Stream School	Stormwater	5	37	2	39	Hayley, Grace
9/25/2018	Roanoke City	Woodrow Wilson M	Classroom Program	Stream School	Energy	2	48	2	50	Grace
10/3/2018	Roanoke City	Wasena ES	Classroom Program	Stream School	Stormwater	2	40	3	43	Grace, Hayley
10/3/2018	Roanoke City	Lincoln Terrace ES	Classroom Program	Stream School	Stormwater	2	40	3	43	Grace, Hayley
10/4/2018	Roanoke City	Highland Park	Classroom Program	Stream School	Stormwater	4	40	3	43	Grace, Hayley
11/27/2018	Roanoke City	Forest Park	Classroom Program	Stream School	Stormwater	7	55	2	57	Grace
10/3/2018	Roanoke City	Wasena ES	Classroom Program	Stream School	Stormwater	1	15	2	17	Hayley, Grace
10/3/2018	Roanoke City	Lincoln Terrace ES	Classroom Program	Stream School	Stormwater	1	25	2	27	Hayley, Grace
10/4/2018	Roanoke City	Highland Park	Classroom Program	Stream School	Stormwater	2	36	2	38	Hayley, Grace
5/21/2019	Roanoke City Private	North Cross	Classroom Program	Stream School	Stormwater	2	36	2	38	Brooke, Hayley, Nikki and Megan
TOTAL CITY OF ROANOKE						43	483	29	512	

10/5/2018	Roanoke County	Glenvar MS	Classroom Program	Stream School	Stormwater	3	30	1	31	Grace, Hayley
10/5/2018	Roanoke County	Glenvar MS	Classroom Program	Stream School	Stormwater	3	30	1	31	Hayley, Grace
10/17/2018	Roanoke County	Mountain View ES	Classroom Program	Stream School	Stormwater	2	35	2	37	Hayley, Grace
10/17/2018	Roanoke County	Mountain View ES	Classroom Program	Stream School	Stormwater	2	35	2	37	Hayley, Grace
10/18/2018	Roanoke County	Green Valley ES	Classroom Program	Stream School	Stormwater	2	35	2	37	Hayley, Grace
10/18/2018	Roanoke County	Green Valley ES	Classroom Program	Stream School	Stormwater	2	35	2	37	Hayley, Grace
4/25/2019	Roanoke County	Glenvar MS	Classroom Program	Stream School	SW/Litter	3	90	3	93	Grace
Roanoke County						17	290	13	303	

	No Stream School Requested									
TOTAL VINTON										

4/10/2019	Salem	East Salem ES	Classroom Program	Stream School	SW/Litter	4	50	4	54	Grace, Brooke
4/11/2019	Salem	South Salem ES	Classroom Program	Stream School	SW/Litter	4	50	4	54	Grace, Brooke
TOTAL SALEM						8	100	8	108	

Total Stream School Programs					# Programs	# Students Participants	# Adult Participants	Total
TOTAL ALL					1	14	3	17
TOTAL ROANOKE CITY					43	483	29	512
TOTAL ROANOKE COUNTY					17	290	13	303
TOTAL VINTON					0	0	0	0
TOTAL SALEM					8	100	8	108
Total All Communities					69	887	53	940



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Reporting Quarter

- X Quarter 1
- X Quarter 2
- X Quarter 3
- X Quarter 4

BMP 2.2 Public Involvement and Participation - Community Wide Public Events

Event & High Priority Issue Addressed	Attendance	Date	Materials Distributed
Fall Waterways Cleanup Excess bacteria, sediments, nutrients	642	9/29/2018	Gloves, Bags, Event T-shirts (Reclaim our Rivers), Safety Kits, Clean Up After Your Poop and Citizens Guide to Understanding Stormwater brochures
Go Fest (booth, stream school, program) Excess bacteria, sediments, nutrients	38,000	10/12-14/2017	Chip Clips, pencils, Lanyards, stickers
Earth Summit - Evening Event Roanoke River	55	11/2/2018	Yearbooks
Clean Valley Day Clean Up Excess bacteria, sediments, nutrients	1253	4/6/2019	T-shirts, SW Literature, Gloves, Bags, Safety Kits
Salem Riverfest - Excess bacteria, sediments, nutrients	600	4/13/2019	Bracelets, Stickers, T-shirts
Grandin Earth Day - Excess bacteria, sediments, nutrients	1500	4/20/2019	Crafts, Bags, SW Literature
Party for the Planet with Mill Mountain Zoo - Excess bacteria	400	4/27/2019	Crafts
Riverfest Excess bacteria, sediments, nutrients	600	6/29/2019	T-shirts, SW Literature, Stickers, Ducks and Candy
Total Public Involvement Events	43050		

Appendix C: List of Illicit Discharges

Table 6: Illicit Discharges

Illicit Discharge	Part I.E.3.e(3)(a) Source	Part I.E.3.e(3)(b) Date Observed & Date Reported:	Part I.E.3.e(3)(c) Detected during Screening, Reported by Public or Other (Describe):	Part I.E.3.e(3)(d) Investigation Resolution:	Part I.E.3.e(3)(e) Description of Follow- up Activities:	Part I.E.3.e(3)(f) Date Investigation Closed:
Neighbor is discharging sump pump into swale between properties	1102 Tennessee St	Reported 9/24/2018	Public	Yes	Letter sent to owner of 1121 Delaware St informing them of illicit discharge findings and giving them 30 days to remedy. Pump/pipe no longer in use	10/8/2018
Washing cars with chemicals not collecting runoff	24 W 4th Street	Reported 10/2/2018	Public via Fire Marshall	Yes	Didn't see this happening, however the business and address will now be monitored periodically to make sure	10/4/2018
Washing cars with chemicals not collecting runoff	14 W 4th Street	Reported 10/2/2018	Public via Fire Marshall	Yes	Actual washing not observed but appeared that car washing had been taking place outside of containment system (only brief visual inspection but should drain to sanitary), verbal warning issued. Business will now be monitored periodically by City inspectors	10/4/2018
Potential illicit discharge caused by sewage backup	1006 W Riverside Dr	Reported 10/3/2018	Public	Yes	Salem Water/Sewer Department is aware of the situation and has already been working on cleanup and getting it resolved	10/3/2018

Reported as a possible illicit discharge, suspected to be permitted sump pump discharge	1439 Brushy Mountain Drive	Reported 10/11/2018	Public	Yes	No illicit discharge found. Water getting into basement but not from anything done by neighbors, even if they are using sump pumps (not found either)	10/12/2018
Concrete washout	Subdivision	Observed 10/23/2018	ESC/SWM Inspector	Yes	Warning letter sent referencing illicit discharge ordinance and associated fines. Site was cleaned up and concrete washout is now regularly maintained	10/24/2018
Pressure washing into storm drains w/o capture, contractor no longer on site	Sheetz on W. Main St.	Reported 6/18/2019	Water Department	Yes	W.E.L. cleaned up the site storm drains and billed the City of Salem. Fleet Wash (Sheetz pressure washing contractor) found to be guilty party and is responsible for the invoice	6/18/2019