



City of Salem, Virginia

Municipal Separate Storm Sewer System Annual Report

For

General Permit No. VAR040010

Permit Year

July 1, 2024 through June 30, 2025

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 per letter dated November 1, 2023.

Submitted: September 30, 2025

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ACRONYMS

| | |
|-------|---|
| BMP | Best Management Practices |
| DEQ | Virginia Department of Environmental Quality |
| IDDE | Illicit Discharge Detection and Elimination |
| MCM | Minimum Control Measure |
| MS4 | Municipal Separate Storm Sewer System |
| POC | Pollutants of Concern |
| SWPPP | Stormwater Pollution Prevention Plan |
| TMDL | Total Maximum Daily Load |
| VPDES | Virginia Pollution Discharge Elimination System |
| WLA | Wasteload Allocation |

1.0 GENERAL ANNUAL REPORTING REQUIREMENTS

1.1. General Information (Part I.D.3.a)

Permittee Name: City of Salem

Permit Number: VAR040010

1.2. Reporting Period (Part I.D.3.b)

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

July 1, 2024 through June 30, 2025

1.3. Signed Certification (Part I.D.3.c)

A signed certification as per Part IV 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: Christopher Dorsey

Title: City Manager

Signature:  Date: 9/22/2025

1.4. Reporting for MCMs #1 - #6 (Part I.D.3.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.3.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 |
| No changes required. |

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 summary of the public education and outreach activities conducted for the report year, including the strategies used to communicate the identified high-priority issues.

A summary of the public education and outreach activities conducted for the report year, including the strategies used to communicate the identified high-priority issues is provided in Table 2. Appendix A includes documentation of the communication efforts described in Table 2 including additional activities and events.

Table 2: High Priority Stormwater Issues

| # | Stormwater Issue | Strategy | Communication | Metric | Beneficial | Included Climate Change Education |
|---|--|-----------------|---------------------------------------|--|--|--|
| 1 | Public education on stormwater impacts | Curriculum | GoFest 10/18-10/20/2024 | 13,334 participants | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 2 | Public Education on impacts of bacteria & sediment on stormwater | Curriculum | STEAM Night Event 3/11/2025 | 500 participants | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 3 | Pollution Prevention | Media materials | Social Media Postings throughout year | Average 4,830 people reached per month across Instagram, Facebook, YouTube and Website | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |

2.1.3. Description of Changes in High Priority Stormwater Issues (Part I.E. 1.g(3))

A description of any changes in high-priority stormwater issues, including strategies used to communicate high-priority stormwater issues or target audiences for the public education and outreach plan. The permittee shall provide a rationale for any of these changes.

A description of any changes in high-priority stormwater issues and rationale for any of these changes are provided in Table 3. The changes to the strategies used to communicate high-priority stormwater issues or target audiences for the public education and outreach plan are provided in Table 2.

| Table 3: Description of Changes in High Priority Stormwater Issues | | | |
|--|------------------|----------------------------|-----------------------|
| # | Stormwater Issue | Description of Any Changes | Rationale for Changes |
| 1 | | | |

2.1.4. Description of Activities Regarding Climate Change (Part I.E. 1.g(4))

A description of public education and outreach activities conducted that included education regarding climate change.

A description of public education and outreach activities conducted that included education regarding climate change is provided in Table 2.

2.1.5. MCM #1 Evaluation (Part I.D.3.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 measurable goals completed in accordance with the MS4 Program Plan?

☒ Yes ☐ No ()

Are the MS4 Program measurable goals effective?

☒ Yes (Effective) ☐ No (Ineffective, necessary changes to the MS4 Program are included in Section 1.5.)

2.2. MCM #2: Public Involvement and Participation

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

A summary of any public comments on the MS4 program received and the responses.

Were any public comments on the MS4 Program received?

☐ Yes, responses are provided in Table 4. ☒ No

| Table 4: Responses to Public Comments on the MS4 Program Plan | | |
|---|----------|-----------|
| # | Comments | Responses |
| 1 | | |
| 2 | | |

2.2.2. Summary of Stormwater Pollution Complaints (Part I.E.2.i(2))

A summary of stormwater pollution complaints received under the procedures established in Part I.E.2.a(1), excluding natural flooding complaints, and how the permittee responded.

Were any stormwater pollution complaints received under the procedures established in Part I.E.2.a(1), excluding natural flooding complaints?

☐ Yes, responses are provided in Table 5. ☒ No

| Table 5: Responses to Stormwater Pollution Complaints | | |
|---|----------|-----------|
| # | Comments | Responses |
| 1 | | |
| 2 | | |

2.2.3. MS4 Program and Stormwater Webpage (Part I.E.2.i(3))

A webpage address to the MS4 program and stormwater website.

The webpage address is <https://www.salemva.gov/242/Stormwater-Information>

2.2.4. Internal MS4 Program Webpage (Part I.E.2.i(4))

Federal and state nontraditional permittees with security policies preventing the MS4 program and stormwater pollution prevention webpage from being publicly accessible utilizing an internal staff accessible website, such as intranet, shall provide evidence of the current internal MS4 program and stormwater pollution prevention webpage.

Is there an internal MS4 program and stormwater pollution prevention webpage?

☐ Yes, ☒ No

2.2.5. Public Involvement Activities Implemented (Part I.E.2.i(5))

A description of the public involvement activities implemented including any efforts to reach out and engage all economic and ethnic groups.

A description of the implemented public involvement activities are provided in Table 6.

2.2.6. Public Education and Outreach Regarding Climate Change (Part I.E.2.i(6))

A description of the public education and outreach activities conducted that also included education regarding climate change.

A description of the public education and outreach activities conducted that also included education regarding climate change is provided in Table 6.

2.2.7. Public Involvement Activity Metric and Evaluation (Part I.E.2.i(7))

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 6. Appendix B includes documentation of the public involvement activities.

| Table 6: Public Involvement Activities Implemented | | | | | | |
|--|----------------------------|-------------|--------------------------------------|---------------|--|--|
| # | Activity Description /Date | Category | Metric | Collaboration | Included Climate Change Education | Beneficial to Improving Water Quality |
| 1 | Waterways Clean-up Event | Restoration | 21 Participants | CVC | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 2 | Clean Valley Days | Restoration | 24 Participants 0.2 Tons of Trash | CVC | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 3 | Earth Summit | Educational | 181 attendees | CVC | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 4 | Stream School | Educational | 99 attendees | CVC | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

2.2.8. MS4 Collaboration (Part I.E.2.i(8))

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 6.

2.2.9. 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 measurable goals completed in accordance with the MS4 Program Plan?

☒ Yes ☐ No ()

Are the MS4 Program measurable goals effective?

☒ Yes (Effective) ☐ No (Ineffective, necessary changes to the MS4 Program are included 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 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 (No Changes)

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

The total number of outfalls and observation points screened during the reporting period as part of the dry weather screening program.

The number of outfalls and observation points screened during the reporting year as part of the dry weather screening program is 50.

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 7) ☐ No

Table 7: Illicit Discharges

Illicit Discharge #1

Part I.E.3.e(3)(a) Location and Source: 0 Dulaneys Alley/ Hydraulic leak in parking lot

Part I.E.3.e(3)(b) Date Observed & Date Reported: 11/18/24

Part I.E.3.e(3)(c) Detected during Screening, Reported by Public or Other (Describe): Observed by City staff in City Parkign Lot

Part I.E.3.e(3)(d) Investigation Resolution: Absorbent was used to contain minor leak area

Part I.E.3.e(3)(e) Description of Follow-up Activities: Absorbent was removed and hauled off

Part I.E.3.e(3)(f) Date Investigation Closed: 12/6/24

Illicit Discharge #2

Part I.E.3.e(3)(a) Location and Source: 100 Blk North Market St (Roanoke College)

Part I.E.3.e(3)(b) Date Observed & Date Reported: 8/12/2024

Part I.E.3.e(3)(c) Detected during Screening, Reported by Public or Other (Describe): Reported by City Staff. White leachate substance coming from dumpster during interior demo of college building impacting road area

Part I.E.3.e(3)(d) Investigation Resolution: Streets were cleaned and substance removed by the College. A new dumpster was also brought to replace the last one

Part I.E.3.e(3)(e) Description of Follow-up Activities: Verified cleanup

Part I.E.3.e(3)(f) Date Investigation Closed: 8/15/2024

Illicit Discharge #3

Part I.E.3.e(3)(a) Location and Source: 1362-1374 E. Main St. / Sanitary sewer back up in trailer park. Sewer discharge impacting surrounding area

Part I.E.3.e(3)(b) Date Observed & Date Reported: 1/28/2025

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

Part I.E.3.e(3)(d) Investigation Resolution: Sanitary sewer has to be contained and removed professionally. Contaminated areas to be dug out and restored with quality soils.

Part I.E.3.e(3)(e) Description of Follow-up Activities: City monitored this through several re-inspections and conversations with management company in Georgia. A plumbing service was hired to fix the issue and remediate areas of contamination. March 2025 contaminants were removed. May 2025 all areas of contaminate are good and stabilization is adequate were soils were replaced. June 2025 building demo

Part I.E.3.e(3)(f) Date Investigation Closed: 6/3/2025

Illicit Discharge #4

Part I.E.3.e(3)(a) Location and Source: 1750-1760 Lancing Dr

Part I.E.3.e(3)(b) Date Observed & Date Reported: 4/4/2025

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

Part I.E.3.e(3)(d) Investigation Resolution: Sewer backup in apartment building, city did not see any sign of illicit discharge. Maintenance staff share he has been pumping water from sanitary sewer during heavy rain events into the parking area which feeds into a storm drain and to the river.

Part I.E.3.e(3)(e) Description of Follow-up Activities: City informed maintenance staff that it was strictly prohibited to pump sanitary sewer effluent into the city storm system or the state waterways. A certified letter was sent to staff and property owner indicating penalties should the city witness described action.

Part I.E.3.e(3)(f) Date Investigation Closed: 4/17/2025

Illicit Discharge #5

Part I.E.3.e(3)(a) Location and Source: 27 Mill Ln. (K.I.K) / Bleach substance

Part I.E.3.e(3)(b) Date Observed & Date Reported: 5/9/2025

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

Part I.E.3.e(3)(d) Investigation Resolution: Water vault had a bleach smelling substance coming from it. Water pumped from containment area went into vault.

Part I.E.3.e(3)(e) Description of Follow-up Activities: Plumbing service pumped out vault area into containers. No evidence of an illicit discharge to surrounding inlets, etc.

Part I.E.3.e(3)(f) Date Investigation Closed: 5/12/2025

2.3.4. 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 measurable goals completed in accordance with the MS4 Program Plan?

☒ Yes ☐ No ()

Are the MS4 Program measurable goals effective?

☒ Yes (Effective) ☐ No (Ineffective, necessary changes to the MS4 Program are included in Section 1.5.)

2.4. MCM #4: Construction Site Stormwater Runoff and Erosion and Sediment Control

2.4.1. Land Disturbing Activities (Part I.E.4.a(1))

The traditional MS4 has adopted a Virginia Erosion and Sediment Control Program (VESCP), the permittee shall implement the VESCP consistent with the Virginia Erosion and Sediment Control Law (§ 62.1-44.15:51 et seq. of the Code of Virginia) and Virginia Erosion and Sediment Control Regulations (9VAC25-840).

2.4.1.1. Site Stormwater Runoff Inspections (Part I.E.4.e(1))

Total number of erosion and sediment control inspections conducted.

The total number of erosion and sediment control inspections conducted are provided in Table 8.

2.4.1.2. Enforcement Actions (Part I.E.4.e(2))

The total number and each type of compliance actions and enforcement implemented.

The total number of compliance actions implemented which include Notices of Violations and Stop Work Orders are provided in Table 8.

| Table 8: Construction Project(s) Inspections and Compliance Actions and Enforcement | | |
|---|---|---|
| Total Number of Inspections | Total Number of Notices of Violation Issued | Total Number of Stop Work Orders Issued |
| 827 | 694 | 9 |

2.4.2. MCM #4 Evaluation (Part I.D.3.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 #4 measurable goals completed in accordance with the MS4 Program Plan?

☒ Yes ☐ No ()

Are the MS4 Program measurable goals effective?

☒ Yes (Effective) ☐ No (Ineffective, necessary changes to the MS4 Program are included in Section 1.5.)

2.5. MCM #5: Post-Construction Stormwater Management

2.5.1. VSMP Inspection and Maintenance Program (Part I.E.5.a(1))

The traditional MS4 has an approved Virginia Stormwater Management Program (VSMP) and implements the VSMP consistent with the Virginia Stormwater Management Act (§62.1-44.15:24 et seq. of the Code of Virginia) and VSMP Regulations (9VAC25-870) as well as maintain an inspection and maintenance program in accordance with Part I E 5 b and c.

2.5.2. Privately Owned SMF Inspections (Part I.E.5.e(1)(a))

The number of privately owned stormwater management facility inspections conducted.

The number of privately owned stormwater management facility inspections conducted are 115.

2.5.3. Privately Owned SFM Maintenance (Part I.E.5.e(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 facility inspections conducted are 40 and the type of enforcement action are a letter sent to owner of stormwater management facilities which failed inspections with corrective action details.

2.5.4. MS4 Owned or Operated Inspections (Part I.E.5.e(2))

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

The number of MS4 owned stormwater management facility inspections conducted are 17.

2.5.5. MS4 Owned or Operated Maintenance (Part I.E.5.e(3))

A description of the 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 any significant maintenance, repairs, or retrofit activities performed on any stormwater management facilities during the reporting year?

☒ Yes ☐ No () ☐ Not Applicable (No significant maintenance required)

If yes, 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 |
| 8 Forest Drive | Filled in erosion and stabilized area. Added rip rap to armor area at SW corner of facility. |

2.5.6. Virginia Construction Stormwater General Permit Database (Part I.E.5.e(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 III B 1 or a statement that the permittee did not complete any projects requiring coverage under the General VPDES Permit for Discharges of Stormwater from Construction Activities (9VAC25-880).

Stormwater management facility information was submitted 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 III B 1.

☒ Yes ☐ Not Applicable (No Projects completed requiring coverage under the General VPDES Permit.)

2.5.7. DEQ BMP Warehouse (Part I.E.5.e(5))

A confirmation statement that the permittee electronically reported stormwater management facilities using the BMP Warehouse in accordance with Part III B 1 and 2.

Did the MS4 electronically report using the DEQ BMP Warehouse any stormwater management facilities installed that disturbed less than one acre and for which a General VPDES Permit for Discharges of Stormwater Construction Activities was not required and BMPs implemented as part of a TMDL action plan to achieve nitrogen, phosphorous, and total suspended solids reductions?

☒ Yes ☐ No () ☐ NA

2.5.8. DEQ BMP Warehouse (Part I.E.5.e(6))

A confirmation statement that the permittee electronically reported stormwater management facilities inspected using the DEQ BMP Warehouse in accordance with Part III B 5.

Did the MS4 electronically report using the DEQ BMP Warehouse stormwater management facilities inspections information?

☒ Yes ☐ No ()

2.5.9. MCM #5 Evaluation (Part I.D.3.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 measurable goals completed in accordance with the MS4 Program Plan?

☒ Yes ☐ No ()

Are the MS4 Program measurable goals effective?

☒ Yes (Effective) ☐ No (Ineffective, necessary changes to the MS4 Program are included in Section 1.5.)

2.6. MCM #6: Pollution Prevention and Good Housekeeping

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

A summary of any written procedures developed or modified in accordance with Part I E 6 a and b 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 10) ☒ No (No modifications required.)

Table 10: Good Housekeeping Operational Procedures Developed or Modified

Not Applicable

2.6.2. High Priority Facility Review (Part I.E.6.y(2))

A confirmation statement that all high-priority facilities were reviewed to determine if SWPPP coverage is needed during the reporting period.

Were all high-priority facilities reviewed to determine if SWPPP coverage is needed during the reporting period?

☒ Yes ☐ No ()

2.6.3. Newly Developed SWPPPs (Part I.E.6.y(3))

A list of any new SWPPPs developed in accordance Part I E 6 i during the reporting period.

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

☐ Yes (Refer to Table 11) ☐ No () ☒ Not Applicable (No new high priority facilities)

Table 11: New SWPPPs Developed

| SWPPP Name | SWPPP Address |
|----------------|---------------|
| Not Applicable | |

2.6.4. Modified SWPPPs (Part I.E.6.y(4))

A summary of any SWPPPs modified in accordance with Part I E 6 j, 6 l, or 6 m.

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

☐ Yes (Refer to Table 12) ☐ No () ☒ Not Applicable (No modifications required)

Table 12: Modified SWPPPs

| SWPPP Name | SWPPP Address |
|----------------|---------------|
| Not Applicable | |

2.6.5. Delisted SWPPPs (Part I.E.6.y(5))

The rationale of any high priority facilities delisted in accordance with Part I E 6 l or m during the reporting period.

Were any high priority facilities delisted in accordance with Part I.E.6 l or m during the reporting period?

☐ Yes (Refer to Table 13) ☒ No

Table 13: Delisted SWPPPs

| Delisted SWPPPs | Rationale for Delisting |
|-----------------|-------------------------|
| Not Applicable | Not Applicable |

2.6.6. Nutrient Management Plans status (Part I.E.6.y(6))

The status of each nutrient management plan as of June 30 of the reporting year (e.g., approved, submitted and pending approval, and expired).

Refer to Table 14 for the status of each nutrient management plan as of June 30 of the reporting year.

Table 14: Turf and Landscape Nutrient Management Plans

| Nutrient Management Plan | Status |
|--------------------------|----------------------------------|
| City of Salem Parks | Approved (Expires 10/1/2027) |
| City of Salem Schools | Submitted (Expires 9/01/2028) |
| City of Salem Municipal | Approved (Expires 04/15/2027) |
| Salem Golf Course | Approved (Expires 07/01/2026) |
| Salem Memorial Stadium | Approved (Expires 05/15/2027) |

2.6.7. Training Events (Part I.E.6.y(7))

A list of the training activities conducted in accordance with Part I.E.6.d, including the following information: (a) The completion date for the training activity; (b) The number of employees who completed the training activity; and (c) The objectives and good housekeeping procedures covered by the training activity.

Was training conducted?

☐ Yes (See Table 15) ☐ No () ☒ Not Applicable (Not required this report year)

| Table 15: Training Activities | | |
|-------------------------------|----------------|--|
| Dates | # of Employees | Training Objectives and Good Housekeeping Procedures Covered |
| | | |
| | | |

2.6.8. MCM #6 Evaluation (Part I.D.3.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 measurable goals completed in accordance with the MS4 Program Plan?

☒ Yes ☐ No ()

Are the MS4 Program measurable goals effective?

☒ Yes (Effective) ☐ No (Ineffective, necessary changes to the MS4 Program are included in Section 1.5.)

3.0 LOCAL TMDL ACTION PLANS

3.1. Bacteria Action Plan (Part II.B.5)

3.1.1. Roanoke River Bacteria TMDL Implementation

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

A summary of actions conducted to implement the Roanoke River Bacteria TMDL action plan is provided in Table 16.

| Table 16: Roanoke River Bacteria TMDL Action Plan Summary of Actions | | |
|--|--|--|
| Strategy | Summary of Actions | Completion Status |
| Provide signage to pick up dog waste, providing pet waste bags and disposal containers | Post signage and provide disposal containers and waste bags. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Implement and enforce ordinances or policies related to outdoor water waste. | See Section 4.1.7 of TMDL Action Plan | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Implement an enhanced educational program beyond any requirements in Part I E 1 through E 6. | Enhanced Public Education and Outreach and Public Participation within the watershed through partnership with the Clean Valley Council | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Educate the public on sewer backup prevention and actions taken if the sewer overflows. | https://salemva.gov/464/Sewer-Backups-Overflows | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

Description of Actions this reporting year:

TMDL Action Plan was updated in accordance with the MS4 General Permit.

3.2. Sediment Action Plan (Part II.B.6)

3.2.1. Roanoke River Sediment TMDL Implementation

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

A summary of actions conducted to implement the Roanoke River Sediment TMDL action plan is provided in Table 17.

| Table 17: Roanoke River Sediment TMDL Action Plan Summary of Actions | | |
|--|---|-------------------------------|
| Strategy | Summary of Actions | Completion Status |
| Programmatic Planning of Reductions | <ul style="list-style-type: none"> • Coordination with DEQ on credit for the implementation of City's MS4 Program. • Evaluate a credit for the reduced land disturbance threshold written in the City's ordinance. • Evaluate the street sweeping program. Determine lane miles swept potential of City streets. Select a street sweeping scenario for implementation. • Obtain funding for resilience plan projects. | June 30, 2026 |
| Implementation and planning of Strategies | <ul style="list-style-type: none"> • Refine street sweeping program and develop necessary street documentation per expert panel report. • Continue resilience plan efforts and projects. • Assess the numerical progress toward meeting the WLA. Consider implementation of additional strategies. | June 30, 2027 |
| Continued Implementation and planning of Strategies. Program Evaluation. | <ul style="list-style-type: none"> • Implement a formal street sweeping program if deemed feasible. • Continue resilience plan efforts. Implement and/or plan projects. • Programmatic evaluation of practices and assessment of future efforts to meet the WLA. | June 30, 2028 – June 30, 2040 |

Description of Actions this reporting year:

The Sediment TMDL Action Plan was updated in accordance with the MS4 General Permit. The above schedule was included in the Action Plan dated April 2025 which included a summary of actions and anticipated completion dates. However, DEQ provided comments in a letter dated August 27th which will require a revision to the Action Plan. A revised Action Plan and response will be provided as requested by October 31st.

3.3. PCB Action Plan (Part II.B.7)

3.3.1. Roanoke River PCB TMDL Implementation

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

A summary of actions conducted to implement the Roanoke River PCB TMDL action plan is provided in Table 18.

| Table 18: Roanoke River PCB TMDL Action Plan Summary of Actions | | |
|--|--|--|
| Strategy | Summary of Actions | Completion Status |
| Identification of significant sources of PCBs | Assessment of City Properties | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Site-specific SWPPPs for City owned properties with the potential to discharge PCBs | SWPPP developed, implemented and maintained for the Streets Facility | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| MS4 Program MCMs developed to address and minimize PCBs | MCMs 1 - 4 and 6 and City Ordinances developed and implemented | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| New discoveries previously unidentified significant sources of PCBs reported, if found | Notification to DEQ in writing within 30 days of discovery, if found | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Reassessment of Electric Department | Conduct a reassessment of the City of Salem Electric Department PCB handling procedures and record keeping | June 30, 2027 |

Description of Actions this reporting year:

TMDL Action Plan was updated in accordance with the MS4 General Permit.

Appendix A: Documentation of Public Education and Outreach Activities

| Date | Event Name | Location and Event (NO ABBREVIATIONS - leave blank for school program) | School Program Name | School Name (spell out name. May use ES, MS, HS) | Number of times program was taught | # of Adults Served | # of Students Served | #Total Served/Reached (adds Adults and children) | Table 1: Strategy used MS4 | Table 2 : Issue/Topic Addressed MS4 | Addresses multiple economic and/or ethnic groups? (use Y or N) | Addresses Climate Change? (use Y or N) |
|------------|---------------------|--|---------------------|--|------------------------------------|--------------------|----------------------|--|--|---|--|--|
| 10/18/2024 | GO Fest | GoFest in Elmwood Pk | | | 30 | 6667 | 6667 | 13334 | Curriculum materials, Public education activities | Public Education Activities, Pollution prevention | Y | Y |
| 10/19/2024 | GO Fest | GoFest in Elmwood Pk | | | 60 | 6667 | 6667 | 13334 | Traditional written materials, Media materials, Training materials, Public meetings | Pollution prevention, Public meetings | Y | Y |
| 10/20/2024 | GO Fest | GoFest in Elmwood Pk | | | 30 | 6667 | 6667 | 13334 | Curriculum materials, Public education activities | Public Education Activities, Pollution prevention | Y | Y |
| 10/8/2024 | Educational program | | Stream School | Andrew Lewis MS | 3 | 2 | 33 | 35 | Public education activities, Curriculum materials | Public Education Activities, Pollution prevention | Y | Y |
| 10/9/2024 | Educational program | | Stream School | Salem HS | 4 | 2 | 62 | 64 | Traditional written materials, Alternative materials, Speaking engagements, Public meetings, Training materials, Media materials | Public meetings, Pollution prevention | Y | Y |

High Priority Stormwater Issue #1
Fest

Go Outside Festival – Rain barrel workshops and Creek Critter Course
10/18-20/24





High Priority Stormwater Issue #2
M i t

West Salem Elementary School Steam Night
3/11/25





High Priority Stormwater Issue #3
Media Materials

Clean Valley Council

Socials Reporting FY 2024-2025

Website

| Month | Sessions | Visitors |
|----------------|---------------|---------------|
| July | 439 | 349 |
| August | 441 | 325 |
| September | 602 | 375 |
| October | 707 | 469 |
| November | 516 | 363 |
| December | 580 | 404 |
| January | 861 | 615 |
| February | 524 | 362 |
| March | 864 | 577 |
| April | 1226 | 879 |
| May | 718 | 521 |
| June | 914 | 650 |
| Total | 7951 | 5564 |
| Average | 699.33 | 490.75 |

Facebook

| Month | Reach | Page visits | Followers | Posts |
|----------------|----------------|--------------------|---------------|--------------|
| July | 936 | 159 | 2,480 | 5 |
| August | 2,500 | 323 | 2,480 | 23 |
| September | 4,700 | 491 | 2,480 | 33 |
| October | 4,275 | 452 | 2,480 | 37 |
| November | 4,539 | 270 | 2,480 | 40 |
| December | 5,315 | 321 | 2,480 | 35 |
| January | 2366 | 358 | 2,565 | 18 |
| February | 3259 | 252 | 2,565 | 13 |
| March | 2276 | 370 | 2,565 | 26 |
| April | 5189 | 650 | 2,565 | 63 |
| May | 4514 | 360 | 2,565 | 22 |
| June | 4532 | 819 | 2,565 | 54 |
| Total | 44401 | 4825 | 30270 | 369 |
| Average | 3700.08 | 402.0833333 | 2522.5 | 30.75 |

Instagram

| Months | Reach | Profile visits | New followers | Total Followers | Posts |
|----------------|--------------------|-------------------|--------------------|-----------------|--------------|
| July | 106 | 22 | 18 | 1,144 | 1 |
| August | 17 | 7 | 9 | 1,144 | 0 |
| September | 457 | 27 | 3 | 1,144 | 9 |
| October | 621 | 30 | 13 | 1,157 | 7 |
| November | 568 | 14 | 11 | 1,157 | 7 |
| December | 797 | 43 | 11 | 1,157 | 16 |
| January | 464 | 38 | 12 | 1,246 | 9 |
| February | 428 | 23 | 16 | 1,246 | 4 |
| March | 524 | 34 | 21 | 1,246 | 7 |
| April | 584 | 73 | 29 | 1,246 | 12 |
| May | 242 | 22 | 20 | 1,246 | 7 |
| June | 206 | 95 | 30 | 1,246 | 13 |
| Total | 5014 | 428 | 193 | 14379 | 92 |
| Average | 417.8333333 | 35.6666667 | 16.08333333 | 1198.25 | 7.667 |

You Tube

| Month | Views |
|----------------|-----------------|
| July | 0 |
| August | 53 |
| September | 0 |
| October | 0 |
| November | 66 |
| December | 0 |
| January | 2 |
| February | 1 |
| March | 2 |
| April | 38 |
| May | 1 |
| June | 1 |
| Total | 164 |
| Average | 13.66667 |

Appendix B: Documentation of Public Involvement Activities

EVENTS

| Date | Event Name | Location and Event (NO ABBREVIATIONS - leave blank for school program) | School Program Name | School Name (spell out name. May use ES, MS, HS) | Number of times program was taught | # of Adults Served | # of Students Served | #Total Served/Reached (adds Adults and children) | Table 1: Strategy used MS4 | Table 2 : Issue/Topic Addressed MS4 | Addresses multiple economic and/or ethnic groups? (use Y or N) | Addresses Climate Change? (use Y or N) |
|------------|--------------|--|---------------------|--|------------------------------------|--------------------|----------------------|--|--|---|--|--|
| 11/21/2024 | Earth Summit | VWCC Earth Summit | | | 9 | 53 | 128 | 181 | Alternative materials, Signage, Speaking engagements, Public meetings, Media materials, Traditional written materials, Curriculum materials, Public education activities | Public Education Activities, Pollution prevention | Y | Y |
| 3/11/2025 | STEAM night | STEAM at West Salem Elementary | great trash race | West Salem Elementary | 100 | 300 | 200 | 500 | Media materials, Curriculum materials, Public education activities | Public Education Activities, Pollution prevention | Y | Y |

Clean Up Data

| Date | Event Name | Team Name | Municipality | Location of Cleanup | Total Estimated Volunteers | Total Actual Volunteers | Total Hrs | # bags | cu. ft. | #lbs | cu. yds. | Tons |
|------------------------------------|------------------|-----------------------------|-------------------------|---------------------------------|----------------------------|-------------------------|-----------|-----------|-----------|------------|---------------|------------|
| 10/4/2024 | Fall Waterways | Yokohama Tire Manufacturing | City of Salem | Salem Greenway below Lewis Gale | 20 | 15 | 30 | 4 | 16 | 100 | 0.59 | 0.1 |
| 10/5/2024 | Fall Waterways | Roanoke Valley Trout Unlim. | City of Salem | Green Hill Park | 12 | 7 | 63 | 13 | 52 | 325 | 1.93 | 0.2 |
| Total From Fall Waterways | | | | | 32 | 22 | 93 | 17 | 68 | 425 | 2.5185 | 0.2 |
| 4/5/2025 | Clean Valley Day | Rotary Club of Salem | City of Salem, Virginia | Salem Rotary Park | 24 | 24 | 25 | 15 | 60 | 375 | 2.22 | 0.19 |
| Total From Clean Valley Day | | | | | 24 | 24 | 25 | 15 | 60 | 375 | 2.2222 | 0.2 |

Public Involvement Activity #1 and #2
Fall Waterways and
Clean Valley Days

**Clean Valley Day Cleanup
4/1-30/2025**







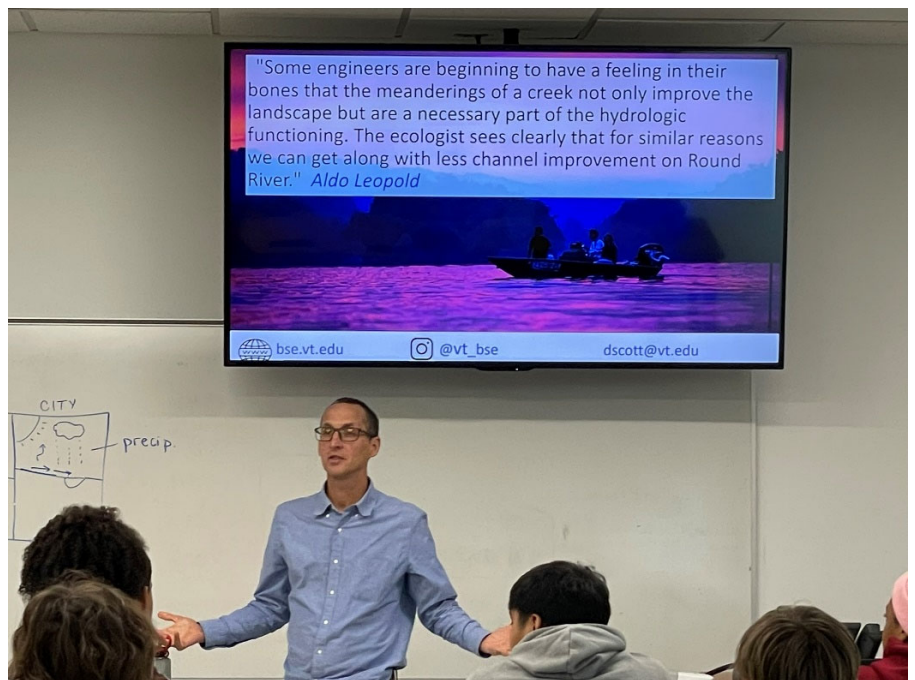
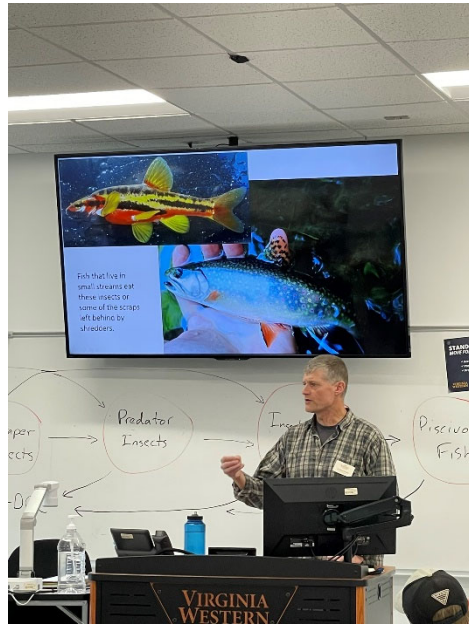


Public Involvement Activity #3
art it

**Earth Summit and
Ann Davey Masters Environmental Excellence Award Presentation
11/21/2024**











Public Involvement Activity #4
trea 1

William Byrd Middle School Stream School
9/30/24



Salem High School Stream School
10/9/24



