

TOWN OF VINTON, VIRGINIA

**Municipal Separate Storm Sewer System (MS4)
Annual Report
Permit Year One: July 1, 2023 – June 30, 2024**

Submitted:

October 1, 2024

Prepared By:

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Submitted To:

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Blue Ridge Regional Office
901 Russell Drive
Salem, VA 24153**

Pursuant to General Permit Number VAR040026



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County of Roanoke
Roanoke County Public Schools
Roanoke Valley Resource Authority
Roanoke Valley Television Station
Virginia Saves Our Streams Foundation
Western Virginia Water Authority

Certification Statement and Requirements

As required by the MS4 Permit VAR04, Part III K. Signatory Requirements: Registration statements and reports shall be signed as follows:

1. Registration statement. All registration statements shall be signed as follows:


- a. For a corporation: by a responsible corporate officer. For the purpose of this chapter, a responsible corporate officer means: (i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy-making or decision-making functions for the corporation, or (ii) the manager of one or more manufacturing, production, or operating facilities, provided the manager is authorized to make management decisions that govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for state permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;
- b. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
- c. For a municipality, state, federal, or other public agency: by either a principal executive officer or ranking elected official. For purposes of this chapter, a principal executive officer of a public agency includes: (1) the chief executive officer of the agency, or (2) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.

2. Reports and other information. All reports required by state permits, including annual reports, and other information requested by the department shall be signed by a person described in Part IV K 1, or by a duly authorized representative of that person. A person is a duly authorized representative only if:

- a. The authorization is made in writing by a person described in Part IV K 1;
- b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the operator. (A duly authorized representative may thus be either a named individual or any individual occupying a named position.); and
- c. The signed and dated written authorization is submitted to the department.

CERTIFICATION

"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 assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, 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."

| | | |
|---|------------------------|-------------|
|  | Richard W. Peters, Jr. | 9/30/2024 |
| Responsible Official Signature | Town Manager | Date |

| | |
|--------------------------|-----------------|
| VAR040026 | Town of Vinton |
| MS4 Permit Number | MS4 Name |

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Executive Summary

The Town of Vinton finds that the uncontrolled and polluted stormwater runoff to the Town's storm sewer system has an adverse impact on the water quality of the receiving waters. When left uncontrolled, this water pollution can result in the destruction of fish, wildlife, and aquatic life habitat; a loss in aesthetic value; and it threatens public health by contaminating food, drinking water supplies, and recreational waterways.

The Town was originally issued a VSMP permit effective July 8, 2003 (Permit No. VAR040026) and successfully met the requirements over the initial five-year permit period. The VSMP permit was re-issued on July 14, 2008, and expired on July 8, 2013. The third VSMP permit was re-issued on July 1, 2013, and expired on June 30, 2018. The fourth VSMP permit was re-issued on November 1, 2018, and expired on October 31, 2023. The fifth VSMP permit was re-issued on November 1, 2023, and will expire on October 31, 2028. While the basic framework has not changed, several permit modifications require changes to the Town's stormwater management program.

The Town is committed to continuing the development, implementation, and enforcement of its Municipal Separate Storm Sewer System (MS4) Program that is designed to reduce the discharge of pollutants from the regulated MS4 and to addressing impaired waters that the MS4 discharges into to the maximum extent practicable (MEP). The main goal of this program is to protect water quality, and to improve waters into which the regulated small MS4 discharges.

Since 2003, the Town with the cooperation with Roanoke County, has developed and continues to develop a comprehensive plan to meet the conditions of the MS4 permit to the maximum extent practicable as outlined in six minimum control measures (MCMs) practices:

***MCM-1: Public Education and Outreach**

***MCM-2: Public Involvement and Participation**

MCM-3: Illicit Discharge Detection and Elimination (IDDE)

***MCM-4: Construction Site Stormwater Runoff and Erosion and Sediment Control**

***MCM-5: Post-Construction Stormwater Management for New Development and Development on Prior-Developed Lands**

MCM-6: Pollution Prevention and Good Housekeeping for Facilities Owned or Operated by the Permittee within the MS4 Service Area

TMDL: TMDL Special Conditions

*The Town along with the Cities of Roanoke and Salem has contracted with the Clean Valley Council (CVC) to provide services to meet the permit requirements of **MCM-1: Public Education and Outreach** and **MCM-2: Public Involvement and Participation**. Additionally, the Town has and continues to partner with Roanoke County and Western Virginia Water Authority (WVWA) to meet some of its permit requirements under MCM-1 and MCM-2, and its TMDL Action Plans for sediment and bacteria. The associated Best Management Practices (BMPs) for which CVC, Roanoke County, and WVWA are responsible, or partially responsible, are listed below:

- BMP 1-3: Stream School Seminars – Stream Monitoring and Education
- BMP 1-4: Stormwater Educational Programs and Activities

- BMP 1-5: Stormwater Public Awareness Program
- BMP 2-1: Storm Drain Stenciling Program
- BMP 2-2: Clean-up and Environmental Events
- BMP 2-4: Household Hazardous Waste Collection Events
- BMP S-3: Enhanced Public Education and Outreach
- BMP B-2: Enhanced Public Outreach for Bacteria

*Roanoke County is responsible for the **MCM-4: Construction Site Stormwater Runoff Control** and its associated BMPs. Since February 14, 1984, the County of Roanoke has been responsible for the Erosion and Sediment Control program for the entire County area, including the Town of Vinton. On April 5, 2016, a resolution was adopted by the Vinton Town Council for the establishment of a Memorandum of Understanding (MOU) agreement between the County of Roanoke Board of Supervisors and the Vinton Town Council for the County to continue to administer the Virginia Erosion and Sediment Control Program (VESCP) and to administer the Virginia Stormwater Management Program (VSMP) for the Town of Vinton.

The Town Planning and Zoning Department has and will continue to work with Roanoke County Department of Development Services to ensure that the MCM-4 associated BMPs as listed below are continued to be implemented and enforced. Please note that the listed BMPs are amended to be aligned with the County's MCM-4 since the County is responsible for this MCM-4.

- BMP 4-1: Legal Authorities
- BMP 4-2: Plan Review
- BMP 4-3: Site Inspections
- BMP 4-4: Compliance and Enforcement
- BMP 4-5: Responsible Land Disturber Certification

*Roanoke County is also responsible for the **MCM-5: Post-Construction Stormwater Management in New Development and Development on Prior-Developed Lands** and its associated BMPs. On April 5, 2016, a resolution was adopted by the Vinton Town Council for the establishment of a Memorandum of Understanding (MOU) agreement between the County of Roanoke Board of Supervisors and the Vinton Town Council for the County to administer the Virginia Stormwater Management Program (VSMP) for the Town of Vinton. The County became the Town's VSMP administrator as of June 1, 2016, with the approval of the State Water Control Board, as indicated in the DEQ correspondence dated, May 27, 2016.

The Town Planning and Zoning Department has and will continue to work with Roanoke County Department of Development Services to ensure that the MCM-5 associated BMPs as listed below (BMP 5-1 to BMP 5-4) are continued to be implemented and enforced. Please note that the listed BMPs are amended to be aligned with the County's MCM-5 since the County is responsible for this MCM-5.

- BMP 5-1: Stormwater Management Legal Authorities
- BMP 5-2: Post-Construction Inspections for Existing Stormwater Management Facilities
- BMP 5-3: Stormwater Management Facility Tracking
- BMP 5-4: Strategies to Encourage Long-Term Maintenance of Stormwater Control Measures on SFR lots

- BMP 5-5: Storm Sewer System Maintenance – Responsibility of the Town Public Works Department

Since 2016, the Town has partnered with Roanoke County Stormwater Program Manager in the distribution of Roanoke County Stormwater Newsletter. The annual stormwater newsletter is distributed to all Roanoke County residences including Town of Vinton residences. This partnership will continue and has received positive feedback from the Town’s residents.

On September 17, 2024, Vinton Town Council adopted Ordinance No. 1060 – an ordinance to adopt Roanoke County’s consolidated Erosion and Stormwater Management (ESM) Program which shall be applicable within the Corporate Limits of the Town of Vinton and designating Roanoke County as the Virginia Erosion and Stormwater Management Program (VESMP) Authority within the Corporate Limits of the Town. Additionally, on September 17, 2024, Resolution No. 2612, was also adopted by Vinton Town Council authorizing the Town Manager to enter a Memorandum of Understanding (MOU), on behalf of the Town, with Roanoke County for the County to act as the Virginia Erosion and Stormwater Management Program (VESMP) Authority for the Town of Vinton.

To deliver a consistent message across the entire Roanoke Valley region, the Town participates on the Roanoke Valley-Alleghany Regional Commission (RVARC) Regional Stormwater Advisory Committee. This group is comprised of neighboring MS4s and interested parties such as the Clean Valley Council (CVC), Western Virginia Water Authority (WVWA), Friends of the River, Virginia Western Community College, the Virginia DEQ, and others.

The Town intends to continue its participation in regional efforts to educate the public and developers. These efforts are in cooperation with Roanoke Valley governments and other regional organizations such as the Clean Valley Council (CVC), Roanoke Valley Resource Authority (RVRA), Roanoke Valley Television (RVTV), Roanoke Valley-Alleghany Regional Commission (RVARC), Friends of the River, Roanoke Valley Greenway Commission, Roanoke Valley Urban Forestry Council (RVUFC), Western Virginia Water Authority (WVWA), Blue Ridge Land Conservancy, and Virginia Saves Our Streams Foundation. Strong regional cooperation is instrumental in minimizing pollutants in the Roanoke River, creeks and streams, and providing Roanoke Valley citizens with clean water now and into the future.

The Town seeks to implement a comprehensive stormwater management program that addresses stormwater quality and quantity and protects aquatic habitats through positive action.

Beginning January 2020, the Planning and Zoning Department is again responsible for the overall coordination of Virginia Stormwater Management Program (VSMP) and MS4 compliance. **Beginning Year Three reporting period, some of the BMPs under each of the MCMs have been amended as stated in the response letter to Virginia DEQ dated March 24, 2021, and the revised Total Maximum Daily Load (TMDL) Action Plan for Bacteria Reduction (*E. Coli*) in the Roanoke River, Tinker Creek, and Glade Creek; and TMDL Action Plan for Benthic/Sediment Reduction in the Roanoke River, dated April 26, 2021.**

The Minimum Control Measures and associated BMPs developed by the Town and Roanoke County to satisfy the MS4 Permit requirements are described in detail in the Town’s and the County’s MS4 current Program Plans. In addressing the six MCMs, the Town emphasizes the importance of lowering sediment and bacteria discharges to the storm sewer systems in

accordance with the approved TMDLs within the Town. This Annual Report provides the required documentation regarding those MCMs and BMPs for the **reporting period of July 1, 2023 - June 30, 2024**. Both documents are posted on the Town's website at:
<https://www.vintonva.gov/230/MS4-Permit>.

Community Profile

The Town has a population of 8,059 based on 2020 Census; contains 3.2 square miles in area; and 90 miles of roadways. Based on the 2003 land use survey, the Town's developed land use can be categorized as follows: Residential 51%; Commercial 8%; Industrial 6%; Public/Semi-Public 14%; and Transportation 21%. The undeveloped/vacant land is about 16% and consists of heavily wooded areas with steep slopes that are not optimal for development. Majority of the residential areas were developed before the Town adopted the stormwater quality management requirements in 2008 under the VSMP Phase II requirements.

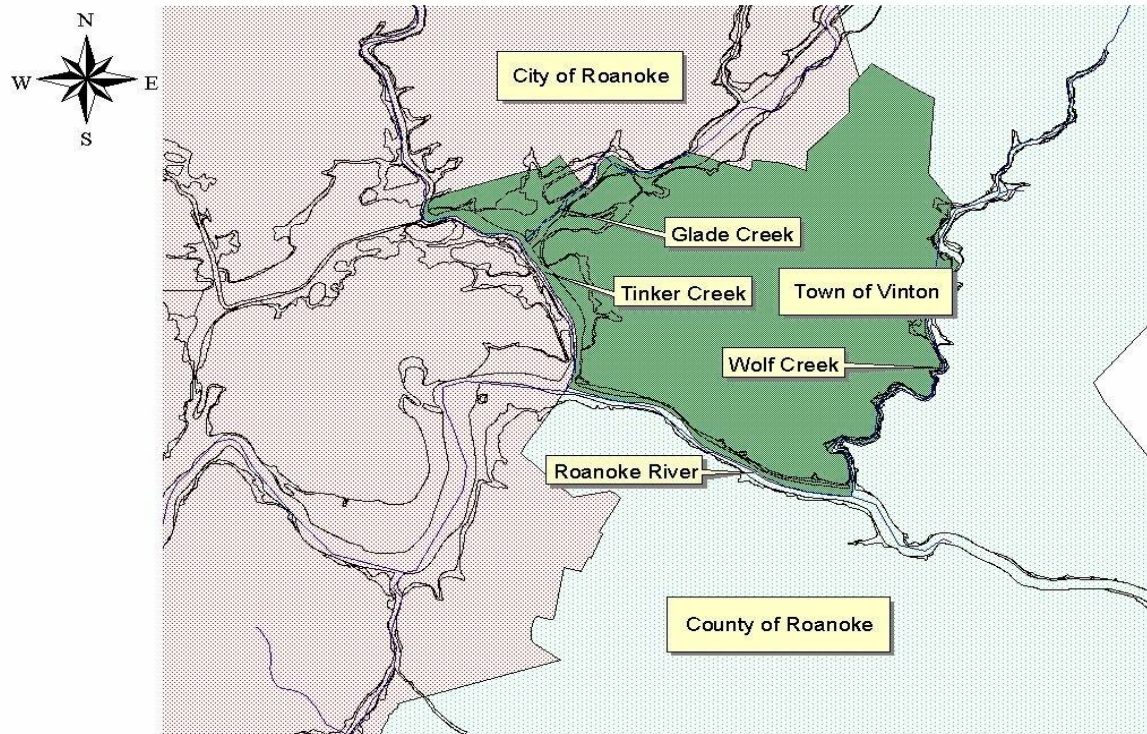
Stormwater Management Program

The Town's commitment to establish and sustain a comprehensive program that protects the Town's stormwater quality has been made through strong regional cooperation for the implementation of the minimum control measures practices. The Town has and continues to partner with Roanoke County in the stormwater management program. Roanoke County continues to provide services to the Town through already in place agreements for the administration and enforcement of the Virginia Erosion and Sediment Control (ESC) and Virginia Stormwater Management Program (VSMP) requirements including plan review, approval, permit issuance, site and best management practice facilities for construction activities; schools, parks, recreation and tourism services and administration; building reviews, inspections, and approval services and administration.

The Town's Physically Interconnected MS4s to which It Discharges

The Town of Vinton is located in Roanoke County, and it is bordered on its western and northern limits by the City of Roanoke. To the east, lie Roanoke County and the Blue Ridge Parkway. The southern border lies along the Roanoke River. The northwest and west portions of the Town are bordered by Glade Creek and Tinker Creek. The eastern portion is bordered by Wolf Creek. The Town has 90 miles of roadways and the stormwater outfalls discharging to the waters of the state: Glade Creek, Tinker Creek, Wolf Creek and Roanoke River; see Figure 1.

The Town owns and maintains its roadway systems, solid waste collection operation, and provides water and wastewater system services to both Town and East Roanoke County residents. The Town pumps its sewage to the Roanoke Regional Wastewater Treatment Plant located in the City of Roanoke. The Town owns and operates its water system, which uses a series of ten wells drawing ground water from the Falling Creek Aquifer.



Receiving Waters for the Town of Vinton

The Town transports its solid waste to Tinker Creek Transfer Station, which is owned and operated by the Roanoke Valley Resource Authority (RVRA) and funded by the Cities of Roanoke and Salem, County of Roanoke, and Town of Vinton.

Watershed Summary

This section details a list of all known waters currently receiving discharges or that have potential to receive discharges from the regulated small MS4. The following Table 1 lists the waterways, and the Hydrologic Unit Codes (HUC) as identified in the most recent version of the Virginia's 6th Order National Watershed Boundary Dataset and the estimated drainage areas in the Town of Vinton, served by the regulated small MS4 discharging to these surface waters.

| Watershed | Hydrologic Unit | Impaired Receiving Waters | Drainage Area (Estimated in Acres) |
|---------------|-----------------|---------------------------|------------------------------------|
| Glade Creek | RU13 | Glade Creek | 711 |
| Roanoke River | RU14 | Roanoke River | 148 |
| Tinker Creek | RU13 | Tinker Creek | 489 |
| Wolf Creek | RU14 | Roanoke River | 663 |

Table 1. Town of Vinton Watersheds HUC's, Impaired Receiving Waters, and Drainage Areas inside Town of Vinton

SECTION I. MINIMUM CONTROL MEASURES

Pursuant to 9VAC25-89-40, Part I (Discharge Authorization and Special Conditions), the following Minimum Control Measures (MCMs) describe the actions that the Town of Vinton will use to develop, implement, and enforce its MS4 Program, all of which are designed to reduce the discharge of pollutants from this small MS4 to the maximum extent practicable (MEP). The measures will also be employed to protect water quality and to satisfy the appropriate water quality requirements of the State Water Control Law and its attendant regulations.

- **MCM-1:** Public Education and Outreach
- **MCM-2:** Public Involvement and Participation
- **MCM-3:** Illicit Discharge Detection and Elimination (IDDE)
- **MCM-4:** Construction Site Stormwater Runoff and Erosion Sediment Control
- **MCM-5:** Post-Construction Stormwater Management for New Development and Development on Prior-Developed Lands
- **MCM-6:** Pollution Prevention and Good Housekeeping for Facilities Owned or Operated by the Permittee within the MS4 Service Area
- **TMDL:** Total Maximum Daily Load (TMDL) Special Conditions

NOTE: As per Part I.B. of the General Permit, implementation of the above-listed MCMS and the Chesapeake Bay and Local TMDL requirements in Part II (as applicable) consistent with the provisions of an iterative MS4 program required pursuant to the General Permit constitutes compliance with the standard of reducing pollutants to the “maximum extent practicable,” provides adequate progress in meeting water quality standards and satisfies the appropriate water quality requirements of the State Water Control Law and its attendant regulations. Due to this iterative nature of the MS4 Program, over the course of the permit term Town of Vinton may find it necessary to change or replace one or more of the “anticipated” Best Management Practices (BMPs) used to satisfy the MCMs; such changes/replacements will be made when the Town finds the BMP(s) to be ineffective.

This annual report will provide an evaluation of the MS4 Program Plan implementation, including a review of each MCM to determine the MS4 program’s effectiveness and whether changes to the MS4 Program Plan are necessary.

MCM 1: PUBLIC EDUCATION AND OUTREACH ON STORMWATER IMPACTS

The MCM 1 is intended to implement a public education program to distribute and make available educational materials to the community and conduct equivalent outreach activities about the impacts of stormwater discharges on water bodies and the steps that the public can take to reduce pollutants in stormwater runoff.

A mix of best management practices (BMPs) has been chosen to target school children through outreach programs in the Roanoke County School System which include the Town of Vinton. Homeowners, restaurateurs, industries and the public have also been targeted through wastewater education, public forums, and Save Our Streams (SOS) field days. The goals of this minimum control measure are:

1. Increase the public's knowledge of how to reduce stormwater pollution, placing priority on reducing impacts to impaired waters and other local water pollution concerns.
2. Increase the public's knowledge of hazards associated with illegal discharges and improper disposal of waste, including pertinent legal implications; and
3. Implement a diverse program with strategies that are targeted toward individuals or groups most likely to have significant stormwater impacts.

The Town has amended the Best Management Practices (BMPs), as follows, to meet these program goals:

BMP 1-1. Stormwater Educational Resources, Publications, Links, and Programs Review

The Town has created and will maintain a comprehensive listing of existing stormwater-related agencies and organizations along with pertinent educational programs and resources, which shall be made available to the public by way of the Town's stormwater website.

BMP 1-2. Stormwater Educational Materials/Roanoke County Stormwater Newsletter

A partnership with Roanoke County Stormwater Division in the creation and distribution of the Roanoke County Stormwater Informational Mailer, which will be annually distributed to all Roanoke County and Town of Vinton residences.

BMP 1-3. Stream Monitoring and Education

On behalf of the Town through a Cooperative Agreement, Clean Valley Council will provide stream monitoring and informational stream seminars for Town residents.

BMP 1-4. Stormwater Educational Programs and Activities for School Children and Teachers/Adults

On behalf of the Town through a Cooperative Agreement, Clean Valley Council will develop and implement a stormwater educational program for the Town school age children. Different programs will target appropriate grade levels.

BMP 1-5. Stormwater Public Awareness Programs

On behalf of the Town through a Cooperative Agreement, Clean Valley Council and continued partnership with Roanoke County, the Town will develop and implement a Stormwater Public Awareness Program that includes the distribution of stormwater merchandise, public service announcements, and other high visibility educational media. The program includes:

1. A list of the high-priority stormwater issues that the Town will communicate to the public as part of its public education and outreach program.
2. The rationale for selection of each high-priority stormwater issue and an explanation of how each education or outreach strategy is intended to have a positive impact on stormwater discharges.
3. Identification of the public audience to receive each high-priority stormwater message.
4. The strategies from Table 1 of Part I.E.1.d. to be used to communicate each high priority stormwater message; and
5. The anticipated time periods the messages will be communicated or made available to the public.

BMP 1-6. Town of Vinton Stormwater Webpage

The Town will maintain and expand its Stormwater webpage to inform the public on the various ways to reduce stormwater pollution, placing priority on reducing impacts to impaired waters and addressing other local water pollution concerns.

BMP 1-7. Targeted Education Program

The Town implements a stormwater quality education program for specific targeted audiences within the Town. This BMP coordinates with BMP 1-5.

This annual report provides a detailed description of the goals of each BMP, the status of the Town's compliance with each BMP, and an evaluation of the BMP and any proposed modifications needed to better achieve the overall MS4 Program goals. In addition, the strategies to ensure consistency with local TMDLs are also provided, and they are broken down by impairment type: *Escherichia coli* (*E. coli*) bacteria (EC), or sediment (SED).

BMP 1-1. Stormwater Educational Resources, Publications, Links, and Programs Review

Goal: The goal of this BMP is to create and maintain a comprehensive listing of stormwater-related agencies and organizations, educational programs and resources, such as current publications, websites, videos, maps, and training opportunities that directly address stormwater issues such as stormwater management, stormwater quality, floodplain management, stormwater pollution prevention, conservation practices, and riparian habitat protection. Additionally, Roanoke County and CVC maintain and update a collection of handouts and web resources. These materials are available to all citizens across the region, and handout materials are distributed at various events, as described in later sections of this report. The public will be made aware of these resources by way of the Town's stormwater website:

<https://www.vintonva.gov/227/Publications-Resources>. The Clean Valley Council website link for its updated link is as follows: www.cleanvalley.org.

Responsible Party: Town of Vinton's Planning and Zoning Department

Schedule: The Town maintains and annually updates its stormwater resources database, which provides contact information and website links to aid the public in accessing the various stormwater educational resources.

Measurable Goal: Success for this BMP will be measured by tracking website usage and the number of requests received by the Town for this or similar data.

| Webpage Name | Unique Views | Page Views |
|--|--------------|------------|
| Vinton, VA – Official Website - Publications & Resources (PID 227) | 15 | 21 |
| Vinton, VA – Official Website - Public Outreach and Education (PID 393) | 16 | 17 |
| Vinton, VA – Official Website - Quick Facts (PID 228) | 19 | 20 |
| Vinton, VA – Official Website - Rain Barrels (PID 398) | 12 | 14 |
| Vinton, VA – Official Website - Stormwater Public Education Videos (PID 396) | 12 | 13 |
| Vinton, VA – Official Website - Stormwater Quality Information (PID 209) | 41 | 70 |
| Vinton, VA – Official Website – MS4 (VSMP) Permit (PID 230) | 36 | 117 |
| *Vinton, VA – Official Website – Balloon Releases = Littering (PID 495) | 9 | 9 |
| TOTALS FOR YEAR ONE -- July 1, 2023, through June 30, 2024 | 160 | 281 |

| Permit Year | Viewing Statistics |
|----------------------|--------------------|
| 2023 – 2024 (Year 1) | 8 Document Views |

TMDL Consistency: The sources available on the Town's, Roanoke County's, and CVC's websites provide extensive educational material concerning the damage pet waste and sediment can do to the waterways (EC/FC, SED). The Town's website provides links to the websites of

Roanoke County, CVC, state, and federal that include erosion and sediment control regulations for developers that are interested in ways to stabilize a construction site.

The County's stormwater website highlights a page discussing "Non-point Source Pollution (NPS)." This page illustrates how agriculture and straight pipes can contribute to the overall stormwater pollution problem (EC) and provides a list of NPS pollutants, including fertilizer and pesticides from lawns or farms; organic wastes from manure and sewage; pathogens such as bacteria and viruses; salt from irrigation and acid-mine drainage; sediment from erosion of unprotected lands; and toxins such as airborne chemicals, oils, and metals. (EC, PCBs, SED).

The County's website also contains a "PCBs Fact Sheet" and highlights Illicit Discharge Detection and Elimination (IDDE) using various public service messages from the County's IDDE Public Outreach video kit. The associated messages directly tie to the TMDLs (EC, SED, PCBs). The Fact Sheet can be accessed via the link below:

<https://www.roanokecountyva.gov/DocumentCenter/View/9349/PCB-Facts-May-2017?bidId=>

Evaluation and Modification: In accordance with the MS4 Program Plan, the number of website visits to this database within the permit year illustrates whether the website is an effective format to distribute the information concerning stormwater educational resources. With site visits and page views as shown, the Town believes this BMP is successful. No modifications are planned for this BMP.

Home > Departments > Planning & Zoning > Stormwater Quality Information > Publications & Resources

Publications & Resources

Stormwater Publications

The following documents are recommended by the Planning and Zoning Department to help educate the public on stormwater quality and efforts.

Publications

- [After the Storm Booklet \(PDF\)](#)
- [Clean Water Bookmark \(PDF\)](#)
- [Fall Foliage Facts \(PDF\)](#)
- [Give Water a Hand Handout \(PDF\)](#)
- [Illicit Discharge Facts \(PDF\)](#)
- [It's Just Dirt Brochure \(PDF\)](#)
- [It's Just Dirt: A Newsletter for Contractors June 2021](#)
- [It's Just Dirt: A Newsletter for Contractors May 2022](#)
- [It's Your Doodle Brochure \(PDF\)](#)
- [Only Rain Down the Drain-Car Wash Postcard \(PDF\)](#)
- [Only Rain Down the Drain-Restaurant Postcard \(PDF\)](#)
- [Pool Maintenance Facts \(PDF\)](#)
- [Storm Drain Facts for Landscapers \(PDF\)](#)
- [Storm Drain Facts for Plumbers \(PDF\)](#)
- [Stormwater Best Practices for Homeowners \(PDF\)](#)
- [Stormwater Best Practices for Restaurants \(PDF\)](#)
- [Stormwater Education Place Mat \(PDF\)](#)
- [Stormwater Guide for Homeowners June 2021](#)
- [Stormwater Guide for Homeowners May 2022](#)
- [Stormwater Management Best Management Practices in Construction Flyer \(PDF\)](#)
- [Stormwater Management for Auto Recyclers Handout \(PDF\)](#)
- [The Solution to Stop Pollution Brochure \(PDF\)](#)
- [VA MS4 Permit Requirements-A Guide for Town of Vinton Businesses \(PDF\)](#)
- [Water Efficient Landscaping Guide \(PDF\)](#)

Resources

- [Roanoke County Stormwater Public Education Documents: Contractor Appreciation Program, Stormwater Newsletters, Residential Resources, Resources for Businesses, etc.](#)
- [Stormwater Audio-Visual Materials \(PDF\)](#)
- [Stormwater Educational Efforts and Organizations \(PDF\)](#)
- [Local and National Agencies \(PDF\)](#)
- [Stormwater Printed Materials \(PDF\)](#)

Clean Valley Council Website Viewing Data for Year One Reporting

| Month | Sessions | Visitors |
|----------------|-----------------|-----------------|
| July | 355 | 235 |
| August | 547 | 318 |
| September | 429 | 296 |
| October | 583 | 383 |
| November | 505 | 342 |
| December | 362 | 263 |
| January | 484 | 325 |
| February | 594 | 399 |
| March | 735 | 491 |
| April | 897 | 600 |
| May | 933 | 640 |
| June | 543 | 409 |
| Total | 6424 | 4292 |
| Average | 584 | 390.18 |

BMP 1-2. Stormwater Educational Materials/Roanoke County Stormwater Newsletter

The Town provides its citizens an annual calendar in early December of each year that contains information on stormwater, special refuse pick-ups, household hazardous waste collection, fall leaf collection, adopt a truck program, clean-up week, and recycling collections. The calendar also lists environmental events in the Town and Roanoke Valley. Roanoke County Stormwater Division creates and distributes an annual Stormwater Newsletter, which is mailed to every residence in Roanoke County and the Town of Vinton.

Stormwater educational materials were given out to students and adults through school outreach programs and community special events such as Roanoke Valley Home Show, Vinton Fall Festival, Earth Day Celebration, and select locations including the Vinton Municipal Building, Roanoke County Administration Building, and Roanoke County Vinton Branch Library.

Goal: The Town along with Roanoke County will continue to develop stormwater educational mailer for the public and for specific commercial businesses. The purpose of the County of Roanoke's newsletter is to (1) increase the public's knowledge on ways to reduce stormwater pollution, placing priority on reducing impacts to impaired waters and other local water pollution concerns; and (2) increase the public's knowledge of hazards associated with illegal discharges and improper disposal of waste, including pertinent legal implications. The target public audience for this publication will be the County and Town residents. Additionally, the Town Treasurer/Finance Department continues to hand-out the "Pick It Up.... Its' Your "Doodie"!" brochure to pet owners that come in to obtain and/or renew their dog/cat tag.

The newsletter, while primarily aimed at County and Town residents, will also address regional issues that affect the entire Roanoke River watershed. Topics may include litter prevention, stormwater pollution prevention, stormwater quality education, residential best management practices, updates on local impaired water bodies, and TMDLs. It will also include subjects that are specific to Roanoke County's Stormwater Management Program, that include the Town of Vinton. The stormwater newsletter's focus will be coordinated with the high-priority water quality issues identified in **BMP 1-5**. The Town will post a version of the materials on its website and/or link for additional outreach, in addition in making these educational materials available at special events and the Information Center located in the lobby of the Town Municipal building.

Responsible Party: The Town Planning and Zoning Department in cooperation with Roanoke County Department of Development Services/Stormwater Program Manager.

Schedule: The Town provides its annual 2024 calendar to every residence in the Town. Additionally, Roanoke County provides its annual newsletter to every single-family residence in the County and the Town; and distributes copies to the public libraries and schools. The newsletter is posted on the County's stormwater website at:

[Stormwater Public Education Documents / Roanoke County, VA - Official Website \(roanokecountyva.gov\)](https://www.roanokecountyva.gov/stormwater-public-education-documents)

A direct link to the document follows:

[roanokecountyva.gov/DocumentCenter/View/28149/Stormwater-Newsletter-February-2024?bidId=](https://www.roanokecountyva.gov/DocumentCenter/View/28149/Stormwater-Newsletter-February-2024?bidId=)

Measurable Goal: For year one, Town’s calendar which contains stormwater information was mailed to more than 4,550 to all households and businesses within the Town Limits. In February 2024, Roanoke County mailed the annual stormwater newsletter to 34,883 County’s and Town’s residences. The Town Treasurer/Finance Department continues to hand-out the “Pick It Up.... Its’ Your “Doodie”!” brochure to pet owners that come into their office, to obtain and/or renew their dog/cat tag. Since 2019, the issuance of dog tags for the Town’s residences is handled by Roanoke County. The Annual June 2022 Stormwater newsletter and list of addresses where the County’s stormwater newsletter was mailed to, can be accessed via the link below:

<https://www.roanokecountyva.gov/DocumentCenter/Index/1950>

| Permit Year | Type Educational Material | Target Group | Number Reached |
|----------------------|--|-------------------------------------|----------------|
| 2023 – 2024 (Year 1) | Roanoke County Stormwater Newsletter – February 2024 | Town and County Residences | 34,883 |
| | Town of Vinton Annual Calendar – December 2023 | Town Residences and Business Owners | ~ 4,450 |

*Note: The mailing list is provided in the Roanoke County MS4 Annual Report Supporting

Documents, which can be accessed via this link:

[roanokecountyva.gov/DocumentCenter/View/29892/Residential-Mailing-List-2023-2024](https://www.roanokecountyva.gov/DocumentCenter/View/29892/Residential-Mailing-List-2023-2024)

TMDL Consistency: Roanoke County informative annual stormwater newsletter helps address sediment and bacteria.

Evaluation and Modification: The Town Planning and Zoning Department will continue to work with Roanoke County Stormwater Division to ensure that the distribution of Roanoke County annual stormwater newsletter will include Town residences, which has been done since 2016. The County’s newsletter exclusively focuses on stormwater issues for homeowners. It has been well received by Town residents, making it an effective BMP for delivering stormwater-related information and education to County residents. No modifications are planned for this BMP.

BMP 1-3. Stream Monitoring and Education

The Town of Vinton in cooperation with Clean Valley Council and the local chapter of the Virginia Save Our Streams will coordinate and conduct “Stream School Seminar” with school students, teachers and interested citizens during school year and at local environmental events such as the annual Fall Waterways Clean-up. CVC conducted classroom programs and STEAM (Science Technology Engineering Arts Mathematics) Day Event at the County/Town Schools and area colleges. The programs/events addressed stormwater, litter, recycling, nutrient and sediment issues.

Goal: In cooperation with the Clean Valley Council (CVC), the Town provides stream monitoring and informational stream seminars for Roanoke County/Town students and residents. The goal of this BMP is to educate students and residents about field procedures for biological stream monitoring, in addition to motivating citizens to monitor waterways in their neighborhood and to enhance grassroots cooperation to promote the importance of stream monitoring within the Town. These seminars and monitoring sessions provide some field exposure to aquatic habitats, update citizens on local, state, and federal water quality regulations, and keep citizens updated on local stream health.

Responsible Party: Town’s Planning and Zoning Department, through the Cooperative Agreement with Clean Valley Council.

Schedule: On behalf of the Town, the Clean Valley Council educates Roanoke County Public School System which includes the Town students and citizens by holding stream education seminars and monitoring sessions. Special emphasis is placed on monitoring stream segments with a TMDL designation.

Measurable Goal: Tracking the number of citizens/students involved in stream monitoring activities conducted by the CVC on behalf of Vinton, and the number of stream schools given by the CVC, the number of participating students, teachers, and adults.

| Permit Year | Number of Stream School Seminars (CVC) | Attendance |
|----------------------|--|---|
| 2023 – 2024 (Year 1) | 8 (32 Valley-wide) | 253 Students (824 Valley-wide) 8 Adults (61 Valley-wide) |


Note:

All in-person stream school seminar locations were on the Roanoke River and/or its tributaries (Wolf Creek, Glade Creek, and/or Tinker Creek).

Stream School Seminars – In-Person Programs that Served Town of Vinton Schools, College Students, and Teachers/Adults, are shown in the Table below.

| Date | Location/School | Type of Event | Program Name | # Programs | # Students | # Adults |
|-----------|----------------------------|-------------------|---------------|------------|------------|----------|
| 9/18/2023 | William Byrd Middle School | Education Program | Stream School | 2 | 55 | 2 |
| 9/19/2023 | William Byrd Middle School | Education Program | Stream School | 2 | 63 | 2 |

| | | | | | | |
|--------------|----------------------------|-------------------|---------------|----------|------------|----------|
| 9/21/2023 | William Byrd Middle School | Education Program | Stream School | 2 | 66 | 2 |
| 9/22/2023 | William Byrd Middle School | Education Program | Stream School | 2 | 69 | 2 |
| TOTAL | | | | 8 | 253 | 8 |

| | |
|--|--|
|  <p>Clean Valley Council</p> | <h2 style="text-align: center;">Outdoor Stream School</h2> <p style="text-align: center;"><i>What is our local watershed and how does pollution affect our ecosystems?</i></p> |
| <p>Grade Level Biology, APES</p> <p>High Priority Issues Pollution Prevention, Excess Bacteria, Sediments, Nutrients</p> <p>Standards of Learning LS.6, LS.7, LS.8, LS.9, LS.10, LS.11, ES.8, BIO.2, BIO.8</p> <p>Duration 45-60 minutes</p> <p>Setting Outdoor Space near stream</p> <p>Vocabulary Benthic Macroinvertebrate, Riparian Corridor, Vegetative Cover, Soil Erosion, Sedimentation, Point Source Pollution, Nonpoint Source Pollution, Bacterial Load, Nutrient Load, Eutrophication, Algal Bloom, Turbidity, pH, Dissolved Oxygen, Bioassessment, Best Management Practice</p> <p>Character Education Personal effects on effects on watershed. Economic effects of external cost from pollution.</p> | <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p>Summary Students will perform a series of chemical and biological assessments on a local stream. This will enhance their understanding of the factors involved in determining water quality, and the connection between point source and non-point source pollution in their waterways. Common pollutants such as sediment, animal waste, nutrients, fossil fuels, and litter, including cigarette butts are discussed.</p> <p>Objectives Students will:</p> <ul style="list-style-type: none"> • Identify their local watersheds and map the movement of water from the land to storm drains where it empties into local waterways and ultimately the ocean • Identify macroinvertebrates and discuss how they can determine water quality. • Discover best management practices for preventing water pollution </div> <div style="width: 35%;"> <p>Materials</p> <ul style="list-style-type: none"> • Watershed maps • Stream School Kit • Water shoes for students <p>Pre-Teaching Options</p> <ul style="list-style-type: none"> • Watersheds • Ecosystems </div> </div> |

TMDL Consistency: Stream school activity allows citizens to understand the many factors that can affect the life in a stream. The effects of pet waste, stream bank erosion, nutrients, and agricultural runoff are discussed during the monitoring sessions as being likely contributors to degraded water quality in receiving streams (EC/FC and SED).

Evaluation and Modification: The number of seminars, monitoring events, and participating citizens show that this Stream School Seminars BMP is an effective method to educate young people and citizens and enhance the grass-roots monitoring effort throughout the Town and Roanoke County. The Town's goal is to continue to provide stream seminars and monitoring sessions to educate citizens and encourage their cooperation in regional water quality health. No modifications are planned for this BMP.



Stream school's students examine their findings during an outdoor stream school – April 9, 2024.

BMP 1-4. Stormwater Educational Programs and Activities for School Children and Teachers/Adult

Clean Valley Council (CVC) educators under the direction of the Town, County of Roanoke, Cities of Roanoke and Salem, will continue developing and providing programs addressing stormwater quality issues at public and private schools, and environmental events. Town residents are served by Roanoke County Public School System (William Byrd Middle and High Schools, W.E. Cundiff and Herman L. Horn Elementary Schools), in addition to several private and parochial schools.

Additionally, the Western Virginia Water Authority has also developed outreach programs for elementary, middle, and high schools in the Roanoke Valley. Stormwater educational giveaways such as pencils, stormwater chip clips, stormwater pamphlets, lanyards, rain gauges and funnel with stormwater messages were also given to the students that participated in these programs. In conjunction with these school programs, the CVC also holds an annual Earth Summit in November. The Town believes that these educational programs are successful in teaching school children about stormwater issues and the benefits of healthy water bodies.

Goal: The Town, through the Clean Valley Council (CVC), has established a stormwater education program for Roanoke County's school children. The CVC educators develop and implement various programs to address stormwater pollution prevention and related water quality issues. Different programs will target appropriate grade levels and will be correlated with Standards of Learning (SOL). In addition, the messages for the various grade levels have been coordinated with the Town's high-priority water quality issues, as identified in **BMP 1-5**.

Responsible Party: The Town's Planning and Zoning Department, through the Cooperative Agreement with Clean Valley Council.

Schedule: The Town will document how many children have been educated on stormwater quality by tracking the number of programs provided and the number of children reached. At the end of each annual period, the Town will analyze the statistics of how many programs were provided and how many children were reached to determine the most effective method.

Measurable Goal: Success for this BMP will be measured by tracking the number of programs that were provided and the number of schoolchildren that were reached. This Annual Report contains the program names, a brief description of each program and their goals, dates and locations of each program that was presented, the number of participants in each program, and the high-priority water quality issues they address.

| Permit Year | Educational Programs Given | *Student Participants | *Adult Participants |
|----------------------|-----------------------------------|------------------------------|----------------------------|
| 2023 – 2024 (Year 1) | 4 (~70 Valley-wide) | 113 (~1443Valley-wide) | 4 (~518Valley-wide) |

| Date | School | Type of Event | Program Name | Issue Addressed | # Programs | # Students | # Adults |
|--------------|--------------------------|-------------------|----------------|---|------------|------------|----------|
| 3/6/2024 | William Byrd High School | Education Program | Ocean Trash of | Pollution Prevention, Stormwater, Nutrients, Bacteria, Sediment | 2 | 57 | 2 |
| 3/7/2024 | William Byrd High School | Education Program | Ocean Trash of | Pollution Prevention, Stormwater, Nutrients, Bacteria, Sediment | 2 | 56 | 2 |
| TOTAL | | | | | 4 | 113 | 4 |

TMDL Consistency: The educational programs that have been and continue to be presented target sources of bacteria/E. Coli, sediment, and/or nutrients, such as “Indoor and Outdoor Stream Schools”, “Soil: Who Needs It”, “The Water Game”, “Who Polluted the River”, “Groundwater”, (EC/FC, Nutrients), “Watershed to Oceans”, “Oceans of Trash”, “Green Game”, “Rigsby/Recycling”, “Wartville Wizard”, “A World Drowning in Plastic”, and Storm drain Stenciling.– (EC/FC, SED, and Nutrients).

Evaluation and Modification: The number of school programs and students reached shows that the stormwater educational programs are an effective method to address stormwater and related water quality issues in the school system. The Town will continue the cooperative agreement with CVC for these educational programs that are grade levels appropriate and SOL applicable. The educational programs will continue to be evaluated and new program may be incorporated to address new issues that impact the community. No modifications are planned for this BMP.

BMP 1-5. Stormwater Public Awareness Programs

The Town of Vinton will continue to partner with Roanoke County, Roanoke City, Roanoke Valley Television (RVTV) Channel 3, The Vinton Messenger, and Clean Valley Council (CVC) in the development of relevant messages for this BMP and uses a variety of means and methods, to communicate with the public via the distribution of printed materials (brochures, fact sheets, and newsletters), radio and TV advertisements, use of websites and social media, storm drain stenciling, speaking engagements, and through giveaways of stormwater-related merchandise to bring stormwater quality issues to the attention of the Town's and Roanoke Valley's citizens.

Goal: The Town's Stormwater Public Awareness Program targets three high-priority water quality issues that contribute to the degradation of stormwater runoff and the receiving waters into which it drains: excess bacteria, excess sediments, and excess nutrients.

Rationale for Selection - Sediment and bacteria were selected because the Town has been assigned a Total Maximum Daily Load (TMDL) by DEQ for these impairments, meaning the Town has been put on a "pollution diet" to limit these two pollutants from entering its waterways. Nutrients (phosphorus and nitrogen, in particular) were chosen because they have such negative impacts on receiving waters when in large quantities. Excess nutrients wash off lawns and other managed turf areas and are carried in stormwater runoff to the area's receiving waters (streams, creeks, and the Roanoke River). Once in the waterways, they cause algal overgrowth, which in turn decreases the oxygen that marine life needs to survive. This often results in fish kills, fish illnesses, and the tainting of human food. Groundwater supplies may also be affected by nutrient pollution.

The Public Awareness Program focuses on (1) ways to increase the public's knowledge about how to prevent these pollutants from getting into stormwater runoff, and (2) the hazards and legal implications of illegal discharges and improper disposal of wastes.

In addition, as outlined in BMP 1-7, the Town also targets certain public audiences with specific educational materials and messages, which are designed to help them reduce stormwater pollution in their day-to-day activities.

Responsible Party: The Planning and Zoning Department, with assistance from Roanoke County Department of Development Services Stormwater Division and Department of Planning; CVC; and RVTV.

Schedule: The Town's Public Awareness Program incorporates the development and distribution of printed materials, mass transit advertisements, signage at select locations, radio and television advertisements, newspaper articles, and use of websites and social media. The Town annually tracks the number and types of materials that are distributed and posted on websites/social media and the size of the audience that is exposed to such materials, as appropriate.

Measurable Goal: The Town will document the type of public awareness method that was utilized, including the size of the audience reached, and any impact indicators that show what effect the method had on behavior.

- In this annual period, the Clean Valley Council (CVC) reported 4 news stories and raised public awareness through radio and television reaching 225,400 people. Please note that some of the activities/events covered the whole Roanoke Valley.

| Permit Year | Attendance | Type/Sources of Media/Merchandise |
|----------------------|-----------------------|---|
| 2023 – 2024 (Year 1) | ~64,528 (Valley-wide) | Students & public merchandise; interviews/segments on radio and TV stations; Clean Valley's website and newspaper articles. |

| Permit Year | Program Given by CVC | Number of Students Reached | Number of Adults Reached |
|----------------------|--|----------------------------|--------------------------|
| 2023 – 2024 (Year 1) | 42(Valley-wide) 1(Vinton Clean Valley Day Clean-up – 4/05/2024) | ~31,485 | ~39,073 |

Clean Valley Council Total Social Post for July 1, 2023, to June 30, 2024.

| Month | Facebook | Instagram | Twitter/X | LinkedIn |
|----------------------|-------------|--------------|-----------|-------------|
| Jul-23 | 34 | 10 | 8* | 5 |
| Aug-23 | 33 | 15 | | 7 |
| Sep-23 | 20 | 14 | | 6 |
| Q1 TOTALS | 87 | 39 | 8 | 18 |
| Oct-23 | 41 | 15 | | 7 |
| Nov-23 | 20 | 11 | | 4 |
| Dec-23 | 17 | 11 | | 6 |
| Q2 TOTALS | 78 | 37 | | 17 |
| Jan-24 | 15 | 10 | | 8 |
| Feb-24 | 25 | 15 | | 7 |
| Mar-24 | 35 | 17 | | 10 |
| Q3 TOTALS | 75 | 42 | | 25 |
| Apr-24 | 60 | 32 | | 18 |
| May-24 | 30 | 27 | | 24 |
| Jun-24 | 16 | 4 | | 1 |
| Q4 TOTALS | 106 | 63 | | 43 |
| TOTAL FY23-24 | 346 | 181 | 8 | 103 |
| Average | 28.8 | 15.08 | 8 | 8.58 |

*Clean Valley Council has stopped using Twitter. The account is to remain active to avoid impersonation.

Clean Valley Council (CVC) News story links FY 23-24:

July 30, 2023: Clean Valley Council hosts pollinator garden tours

<https://cardinalnews.org/2023/07/30/answernet-virtual-job-fair-set-for-aug-9-more/>

November 3, 2023: Clean Valley Council starts holiday season with a new tradition

<https://wfirnews.com/news/clean-valley-council-starts-holiday-season-with-a-new-tradition>

April 6, 2024: Clean Valley Day

<https://patch.com/virginia/roanoke/calendar/event/20240406/6855ea04-c54a-426e-8b0c-023348f14980/clean-valley-day>

May 30, 2024: 4th Annual Green Film Festival happening May 31-June 1

<https://www.wdbj7.com/2024/05/30/4th-annual-green-film-festival-happening-may-31-june-1/>



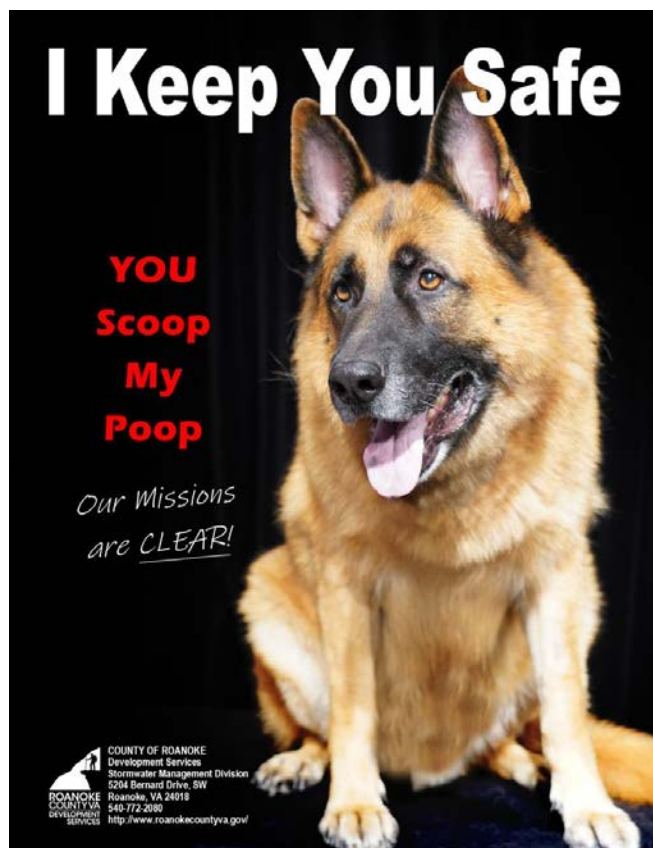
Orvis RCIT cleanup April 18, 2024



- The Town of Vinton Planning and Zoning Coordinator who handles the Town’s website and social media, posted and publicized the County’s annual stormwater newsletter “Stormwater Newsletter February 2024”, on the town’s website, Facebook, and Twitter. The link to the Town’s website under publications and resources: [Stormwater Public Education Documents | Roanoke County, VA - Official Website \(roanokecountyva.gov\)](https://roanokecountyva.gov/stormwater-public-education-documents)

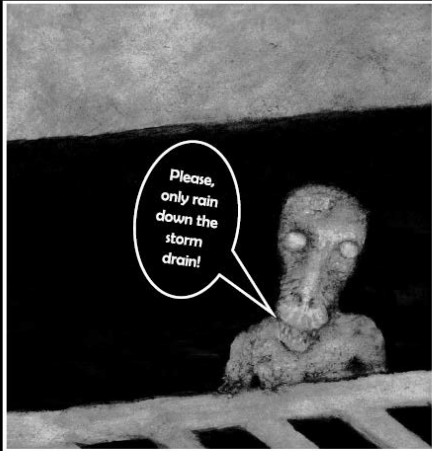
A link to Roanoke County Stormwater Public Education Documents is also listed under resources on this Town’s webpage.

- The County’s Department of Development Services created a pet waste poster, entitled “I Keep You Safe - You Scoop My Poop,” which focuses on “scooping the poop” as a strategy to reduce bacteria that may enter receiving waters. The poster is on the County’s website, in the stormwater (residential) newsletter on page 8, and it was shared on the RVTV website. This poster was also mailed to a variety of targeted (pet-related) businesses, as identified in BMP 1-7: Targeted Education Program.



- The County's Department of Development Services created a poster to encourage reporting of illicit discharges. The goal was to raise awareness regarding the fact that stormwater is untreated and carries any pollutants it picks up in its travels to the nearest waterway. This poster was used in the Stormwater Newsletter published in April 2023. It is also posted on the County's website. <https://www.roanokecountyva.gov/1648/>

Report Illicit Discharges



Report Illicit Discharges at www.roanokecountyva.gov/ReportID or call the Stormwater Program Manager at 540-772-2036.

Only Rain Down the Drain

Because stormwater runoff is untreated, any pollutants that it picks up along its travels are transported and then discharged into the nearest receiving waterway. Pollutants include a wide variety of materials, such as cigarette butts, leaves/grass clippings, trash, oil/grease, PCBs, sediment, and more.

If you see someone placing anything into the storm drainage system, which includes storm drainage inlets, curb and gutter systems, roadside ditches, and underground drainage pipes, please report the activity to the County by clicking the link or calling the number below. If possible, take a picture of the illicit discharge activity when it is occurring and send it to the County's Stormwater Program Manager in the Department of Development Services, Stormwater Division, 5204 Bernard Drive (2nd Floor), Roanoke, VA 24018 or email it to stormwater@roanokecountyva.gov. County staff will investigate the incident and attempt to resolve it.

Also, to learn more about the harmful effects of illicit discharges on the area's receiving waters, please see the County's various public education videos, as posted on its Stormwater web-page. Click the following link: <https://www.roanokecountyva.gov/1598/Stormwater-Public-Education-Videos>

- Roanoke County’s Planning Department distributes a monthly e-newsletter entitled Community Developments. Pertinent stormwater messages are included from time to time, and the e-newsletter reaches 1,616 individuals. The archived newsletters are available on the County’s website: [Archive Center • Newsletters - Planning & Zoning \(roanokecountyva.gov\)](https://roanokecountyva.gov/Archive-Center-Newsletters-Planning-Zoning)
- The County uses various Public Service Announcements (PSAs) to share information with the public as part of its stormwater public awareness/education program. The PSAs encourage the citizens to “do the right things,” such as not littering, bagging or mulching leaves and grass clippings, bagging pet waste, washing cars on the grass, and refraining from pouring anything into the storm drain. The overarching goal for these PSAs is to address the three high priority water quality issues: bacteria, nutrients, and sediments. To view these PSAs, click on the following link: [Stormwater Public Education Videos / Roanoke County, VA - Official Website \(roanokecountyva.gov\)](https://roanokecountyva.gov/Stormwater-Public-Education-Videos-Roanoke-County-VA-Official-Website)

The County created a new PSA to highlight its Septic Pump-out Program (see **Roanoke County’s BMP B-5: Public Education: Septic System Repair & Maintenance**). The PSA can be accessed via this link:

[Septic Pump-Out Program | Roanoke County, VA - Official Website \(roanokecountyva.gov\)](https://roanokecountyva.gov/Septic-Pump-Out-Program-Roanoke-County-VA-Official-Website)

- The County purchased a set of video programs that were designed for educating the public on Illicit Discharge Detection and Elimination (IDDE) to the storm drainage system; such discharges include the selected three high-priority water quality issues: excess bacteria, sediment, and nutrients. The kit includes five videos of varying run times, which are designed to be used in specific medium/media or to reach a specific audience. Along with the aforementioned PSAs, the videos are posted on the County’s website at [Stormwater Public Education Videos | Roanoke County, VA - Official Website \(roanokecountyva.gov\)](https://roanokecountyva.gov/Stormwater-Public-Education-Videos-Roanoke-County-VA-Official-Website)

The County tracks the size of the audiences that access the PSAs and videos. The data for this reporting year is provided below:

| PSAs (30 sec.) | Views |
|--------------------------|-------|
| Granny Says | 16 |
| Leaf Solution | 9 |
| Lawn Care | 7 |
| Rain Barrel | 7 |
| Scoop the Poop | 12 |
| Cooking Oil/Grease (CVC) | 3 |
| Car Wash (CVC) | 11 |

| Public Videos | Views |
|--|-------|
| SWM - Illicit Discharge Detection and Elimination - 15 Minutes | 54 |
| SWM - Illicit Discharge, Detection and Elimination, A Grate Concern - 10 minutes | 4 |
| SWM - Illicit Discharge, Detection and Elimination, A Grate Concern - 2 minutes | 5 |
| SWM - Illicit Discharge, Detection and Elimination, A Grate Concern - 30 seconds | 8 |
| SWM - Illicit Discharge, Detection and Elimination, A Grate Concern - 5 minutes | 9 |
| SWM - Illicit Discharge, Detection and Elimination, A Grate Concern - 60 seconds | 6 |

| Employee Training Videos | Views |
|---|-------|
| Stormwater Pollution Prevention for Construction Sites | 24 |
| Stormwater Pollution Prevention for MS4s | 34 |
| Stormwater Pollution Prevention for MS4s - Landscaping & Ground Maintenance | 1 |

- Roanoke Valley Television (RVTV) runs at least one PSA in every edition of Inside Roanoke, which airs 4 times per week. All of the County's stormwater-related PSAs run in regular rotation on the air, meaning each get an estimated 4 plays per day on Cox Cable Channel 3.

(NOTE: Cox does not provide RVTV with accurate subscriber counts, as it stopped that practice several years ago. However, the rough estimate is that the Station reaches approximately 40,000 households.)

[Stormwater Public Education Videos | Roanoke County, VA - Official Website \(roanokecountyva.gov\)](#)

- The County continues to run its anti-littering ad campaign: "*The World is Not Your Ashtray*." Permanent signs with the message have been placed at several prominent intersections, and the County's website provides an opportunity for citizens to report litter thrown out of vehicles. If the vehicle listed in the online complaint form can be confirmed, Roanoke County Police Department sends a notice to the vehicle's owner that the offense was witnessed and requests their compliance with Roanoke County's litter ordinance in the future. Only verified complaints are processed. For access to the form, click here: [Forms Center • Report Littering \(roanokecountyva.gov\)](#)

TMDL Consistency: The various activities used for this BMP are intended to bring stormwater quality issues to the public's attention. Related activities for this BMP focus on bacteria and sediment, because the Town has TMDLs for these pollutants. (EC & SED)

Evaluation and Modification: The number and types of activities, and the number and types of materials that are distributed and posted on websites/social media and the size of the audience that is exposed to such materials indicates that the Stormwater Public Awareness Program is effective.

The Town in cooperation with Roanoke County and CVC will continue to use this BMP to increase the public's knowledge about how to prevent pollutants from getting into stormwater runoff and to inform the public about the hazards and legal implications of illegal discharges and improper disposal of wastes. No modifications are planned for this BMP.

BMP 1-6. Town of Vinton Webpage of Town's Stormwater Management Program

Goal: The Town will continue to maintain and monitor the Town's Stormwater webpage, where citizens and visitors can obtain information concerning the Town's Stormwater Management Program; Illicit Discharge Reporting Form, Public Outreach and Education; Publications & Resources; Quick facts; Rain Barrels; Stormwater Agency Links; Stormwater Public Education Videos; and VSMP General Permit. Additionally, the Town's website calendar and Facebook also inform citizens of regional clean-up events, drug take-back event, household hazardous waste and E-Cycling collection events, and other local water quality educational programs, in addition of having the capability of receiving citizens' requests and/or complaints on stormwater issues. The messages for the website will be coordinated with the high-priority water quality issues identified in **BMP 1-5**. The stormwater website address is: [Stormwater Quality Information | Vinton, VA - Official Website \(vintonva.gov\)](https://www.vintonva.gov/stormwater-quality-information)

The screenshot shows a webpage titled "Stormwater Quality Information" with a dark blue sidebar on the left containing links: "Balloon Releases = Littering", "Illicit Discharge Reporting Form (PDF)", "Public Outreach & Education", "Publications & Resources", "Quick Facts", "Rain Barrels", "Stormwater Agency Links", "Stormwater Public Education Videos", and "MS4 Permit". The main content area has a breadcrumb trail "Home > Departments > Planning & Zoning > Stormwater Quality Information". Below the title, it says "Harming Our Drinking Water & Aquatic Life" and explains that stormwater runoff and pollutants flow into creeks and the Roanoke River. A list of pollutants includes automobile fluids, grass clippings, litter, pet wastes, soaps, and yard fertilizers. It also mentions "Illicit Discharges" and provides a link to the "Request Tracker System" for reporting. At the bottom, it says "For More Information" and provides a contact number: 540-983-0605.

In addition, the stormwater website will contain the appropriate videos from Roanoke County's IDDE Public Outreach kit (discussed in Roanoke County's **BMP 1-5**) to inform the public about the hazards and legal ramifications of illicit discharges. The webpage includes a link to recent versions of the County's stormwater-related public education materials, such as newsletters, fact sheets, posters, brochures, etc.

[Publications & Resources | Vinton, VA - Official Website \(vintonva.gov\)](https://www.vintonva.gov/publications-resources)

Responsible Party: The Planning and Zoning Department.

Schedule: The Town will maintain its stormwater website and document the webpage usage, including the annual number of visits to each page.

Measurable Goals: Webpage statistics including the most- and least- popular material will be analyzed for effectiveness of the website.

| Permit Year | Webpage Views |
|----------------------|---------------|
| 2023 – 2024 (Year 1) | 70* |

*The webpage views have increase which demonstrates an effective way for public engagement.

According to Roanoke County Stormwater Program Manager, the County’s webpage statistics including the most- and least- popular material will be analyzed for effectiveness of the website. For the County’s year one reporting, there were a total of 6027 visits, with 4,111-page views to the stormwater website between July 1, 2023 and June 30, 2024. The number of visitors to each webpage is shown below:

| Roanoke County Stormwater Management Webpage Statistics www.roanokecountyva.gov/stormwater Period: July 1, 2023 - June 30, 2024 | | |
|--|--------------|--------------|
| Page Title | Views | Users |
| Stormwater Management Roanoke County, VA - Official Website | 1588 | 844 |
| Non-Point Source (NPS) Pollution Roanoke County, VA - Official Website | 663 | 581 |
| Stormwater Documents & Ordinances Roanoke County, VA - Official Website | 545 | 296 |
| Roanoke County Watersheds Roanoke County, VA - Official Website | 503 | 381 |
| Volunteer Opportunities Roanoke County, VA - Official Website | 490 | 378 |
| Stormwater MS4 Permit Roanoke County, VA - Official Website | 309 | 159 |
| Stormwater Public Education Documents Roanoke County, VA - Official Website | 288 | 177 |
| Stormwater Management Public Education Roanoke County, VA - Official Website | 217 | 132 |
| Stormwater Resources Roanoke County, VA - Official Website | 173 | 123 |
| News Flash: Appalachian Power Earns Its Second Stormwater Clean Award | 141 | 115 |
| Stormwater Contractor Appreciation Roanoke County, VA - Official Website | 138 | 96 |
| County Stormwater Projects Roanoke County, VA - Official Website | 130 | 102 |
| Stream Impairments & Total Maximum Daily Loads Roanoke County, VA - Official Website | 130 | 103 |
| Stormwater Public Education Videos Roanoke County, VA - Official Website | 104 | 95 |
| Glade Creek Water Quality Improvement Project Roanoke County, VA - Official Website | 74 | 62 |
| Forms Center: Illicit Stormwater Discharge Reporting Form | 73 | 62 |
| Restoration of Murray Run at Ogden Road Roanoke County, VA - Official Website | 67 | 60 |
| News Flash: Frame to Finish Construction Earns Stormwater Clean Award | 59 | 51 |
| Staff Directory: Stormwater Management | 59 | 46 |
| Background on Stormwater Public Education Roanoke County, VA - Official Website | 54 | 48 |
| The Orchards and Other Drainage System Improvements Roanoke County, VA - Official Website | 50 | 48 |
| Photo Gallery: Stormwater Network Components | 46 | 42 |
| Blog: Glade Creek Natural Stream Restoration at Vinyard Par | 36 | 31 |
| Staff Directory: Stormwater Operations | 35 | 27 |
| FAQs Stormwater Management | 34 | 33 |
| Reporting Illicit Stormwater Discharge Roanoke County, VA - Official Website | 6 | 5 |
| Staff Directory: Stormwater Shop | 4 | 4 |
| Blog: Top 10 Ways to Reduce Stormwater Pollution at Home | 3 | 2 |
| FAQs: What is Stormwater Management? | 3 | 3 |
| Quick Links: Stormwater Management | 3 | 3 |
| FAQs: How Can We Improve Stormwater Quality? | 1 | 1 |
| Stormwater Management Volunteers Roanoke County, VA - Official Website | 1 | 1 |
| TOTAL | 6,027 | 4,111 |

| Permit Year | Webpage Views | Most Popular (MP) and Least Popular Page (LP) |
|-----------------|---------------|---|
| (1) 2023 - 2024 | 6,027 | MP: Stormwater Management LP: FAQs: How Can We Improve Stormwater Quality? and Stormwater Management Volunteers |

Viewing statistics for the Stormwater Management (SWM) homepage show that visits to this web page have more than doubled since 2018; there were 922 more visits in 2024 than in 2018.

- 2017 – 2018: 666 visits
- 2018 – 2019: 780 visits
- 2019 – 2020: 1,032 visits
- 2020 – 2021: 1,056 visits
- 2021 – 2022: 1,351 visits
- 2022 – 2023: 1,321 visits
- 2023 – 2024: 1588 visits

A summary of the views of the stormwater-related videos and Public Service Announcements (PSAs) is shown below.

Views Data for Roanoke County's Videos and PSAs – July 1, 2023 – June 30, 2024

| Video Title | Views | Watch Time (Hours) |
|---|-------|--------------------|
| SWM - Illicit Discharge Detection and Elimination | 54 | 4.8009 |
| SWM - Stormwater Pollution Prevention for MS4s | 34 | 7.4863 |
| SWM - Stormwater Pollution Prevention for Construction Sites | 24 | 2.2781 |
| SWM - Granny Says PSA 30 | 16 | 0.1407 |
| SWM - Scoop the Poop PSA 30 | 12 | 0.0663 |
| SWM - Car Wash PSA 30 ¹ | 11 | 0.0796 |
| SWM - Leaf Solution PSA 30 | 9 | 0.0578 |
| SWM - Illicit Discharge, Detection and Elimination, A Grate Concern - 5 minutes | 9 | 0.161 |
| SWM - Illicit Discharge, Detection and Elimination, A Grate Concern - 30 seconds | 8 | 0.0454 |
| SWM - Lawn Care PSA 30 | 7 | 0.0553 |
| SWM - Rain Barrel PSA 30 | 7 | 0.0353 |
| SWM - Illicit Discharge, Detection and Elimination, A Grate Concern - 60 seconds | 6 | 0.0295 |
| SWM - Illicit Discharge, Detection and Elimination, A Grate Concern - 2 minutes | 5 | 0.0635 |
| SWM - Illicit Discharge, Detection and Elimination, A Grate Concern - 10 minutes | 4 | 0.0398 |
| SWM - Oil and Grease PSA 30 ¹ | 3 | 0.0207 |
| SWM - Roanoke County Stormwater PSA May 2014 | 2 | 0.018 |
| SWM - Descarga, detección y eliminación ilícitas, una preocupación import 60 segundos | 1 | 0.0034 |

¹The Clean Valley Council (CVC) produced this PSA some years ago on behalf of Roanoke County, Roanoke City, and Town of Vinton

TMDL Consistency: The Town's stormwater webpage, website and Facebook posting inform and educate the public, citizens, and visitors the overall pollution problem (EC/FC, SED) and how a citizen can prevent nonpoint source pollution through the pamphlets, brochures, flyers, PSAs. Additionally, the County's stormwater webpage contains a broad range of public

education materials, which address many topics, including ways to minimize sediment, bacteria, and PCBs in stormwater runoff. (EC, SED, PCBs).

Evaluation and Modification: The Town continues to maintain, evaluate and design the stormwater webpage to make it easier to find frequently requested items and make this BMP a more effective method of information distribution and outreach. The Town of Vinton website provides a link to the Roanoke County website for additional information and resources.

The Town finds this BMP to be an effective way to provide the public with information about its Stormwater Management Program and to offer a means by which the public can provide input about the program, report illicit discharges and spills, and submit complaints about land-disturbing activities. No modifications are planned for this BMP.

BMP 1-7. Targeted Education Program

*** This BMP is a joint project with Roanoke County. The annual mailing and/or distribution of the educational materials for this targeted education program by Roanoke County includes the Town of Vinton households, businesses, and contractors/homeowners involved in land-disturbing activities.**

For a list of the materials including brochures, letters, list of homeowners, list of applicable businesses, etc. please refer to Roanoke County BMP 1-7. Supporting Documents that can be accessed via the link below:

[Stormwater Public Education Documents / Roanoke County, VA - Official Website \(roanokecountyva.gov\)](https://roanokecountyva.gov/stormwater-public-education-documents/)

Goal: The goal of this BMP is to implement an education program for specific public (target) audiences to raise their awareness about stormwater quality. This program focuses on three high-priority stormwater issues (i.e., stormwater pollutants) that contribute to the degradation of local waters: excess bacteria, excess sediment, and excess nutrients.

The intention of the program is to inform the target audiences about (1) ways to prevent these pollutants from getting into stormwater runoff and (2) the hazards and legal implications of illegal discharges and the improper disposal of wastes.

The Town and Roanoke County selected the target audiences based on the likelihood that each of them could generate excess bacteria, sediment, and/or nutrients from their day-to-day activities. The educational materials and messages mailed to each of the target audiences are specific to their type of operation (such as car wash operations or kennel cleaning) to ensure the program is effective.

In accordance with Table 1 of Part 1 E 1 of the MS4 permit, the Town and Roanoke County selected various strategies to deliver the targeted materials and messages to the selected public audiences. These are outlined on the next several pages in Table 1-7A. Roanoke County included the Town's household and business owners when they do their annual mailing of these education mailers.

Responsible Party: Town Planning and Zoning Department in cooperation with Roanoke County Development Services and Stormwater Program Manager.

Schedule: A list of public (target) audiences to receive specific messages on an annual basis about ways to reduce stormwater pollution in their day-to-day activities has been developed.

Measurable Goals: The Town along with the County document which materials were provided to the various public audiences, including the size of each audience reached, and any impact indicators that show what effect the method had on behavior. Additionally, three mechanical service-related businesses in the Town of Vinton were visited by the Vinton Planning and Zoning; and/or Public Works personnel for Year 1 reporting. The business operators were given flyer and pamphlets pertaining to general information pertaining to stormwater:

All three were visited on **June 6, 2024**, by:
Kenny Sledd, Town of Vinton Public Works Utility Systems Manager and
Fayula Gordon, Town of Vinton Associate Planner

Business Visited:

R&R Automotive Specialist: 221 Walnut Avenue, Vinton VA 24179

Speedee Oil Change & Auto Service: 910 Hardy Road, Vinton VA 24179

Buddy's Auto Body Inc: 122 Walnut Avenue, Vinton VA 24179

The tables provided on the following pages summarize the activities conducted for this permit year:

- Table 1-7.1A, Table 1-7.1B, and Table 1.7.1C: Stormwater Education Program for Specific Audiences in the Town of Vinton.
- Table 1-7.2: Print Materials to Address Specific TMDLs.
- Table 1-7.3: Program Materials and Target Audiences for BMP 1-7.
- Table 1-7.4: Summary of Targeted Mailings and % Reach

| High-Priority Water Quality Issue | Target Audiences | Means to Determine Audience Size | Estimated Audience Size | Overall Messages | Means to Deliver Messages | Rationale |
|-----------------------------------|--|----------------------------------|-------------------------------------|--|--|--|
| #1 Sediment | Car Washing/Detail Facilities Car Dealers Auto Body Shops (includes tire and auto parts stores, auto service centers, etc.) | Business Licenses/Google | 24 – Town 261 – Countywide | <ul style="list-style-type: none"> • All wash water to sanitary sewer. • Potential damage caused to streams by wash water. | <ul style="list-style-type: none"> • Mailer, annually • PSAs on local cable station | Commercial car wash facilities can contribute significant sediment if wash water is discharged into the Town's MS4. |
| | Homeowners | Tax Records/GIS | 3,660 – Town 34,092 – Countywide | <ul style="list-style-type: none"> • Potential damage caused to streams by wash water. • Direct wash water to grass area for filtration and infiltration. • Never allow wash water to flow into street or storm drains. | <ul style="list-style-type: none"> • Roanoke County publication sent annually to ROCO/TOV homeowners • PSAs on local cable station • Handouts at local environmental events, 4 per year minimum | Residential car washing is specifically allowed; but it still may contribute significant sediment if wash water is not properly handled. |

| | | | | | | |
|--|--|---|-------------------------------|--|---|--|
| | Contractors and and/or Homeowners Involved in Land-Disturbing Activities | Roanoke County Development Services/Town Planning and Zoning Department/Business Licenses | 30 – Town 782 – Countywide | <ul style="list-style-type: none"> • Damage caused to streams by sediments. • Healthy fish populations require clear stream bottoms. • Silt fence is not enough. • Limit disturbed areas. • Stabilize as quickly as possible. | <ul style="list-style-type: none"> • Brochure given to land-disturbance permittee when permit is issued • Brochure given with enforcement actions • Newsletter mailed on an annual basis | Erosion and sediment control is required by regulations; however, more effective implementation may occur with additional education. |
|--|--|---|-------------------------------|--|---|--|

Table 1-7.1A Targeted Education Program: Sediment (effective May 2019)

Table 1-7.1B Targeted Education Program: Bacteria

| High-Priority Water Quality Issue | Target Audiences | Means to Determine Audience Size | Estimated Audience Size | Overall Messages | Means to Deliver Messages | Rationale |
|-----------------------------------|----------------------------------|---|----------------------------------|--|---|--|
| #2 Bacteria | Restaurants | Business Licenses/ Google | 20 – Town 484 – Countywide | <ul style="list-style-type: none"> • Excessive bacteria hinder stream usage and contribute to algae overgrowth, which hurts aquatic life. • All wastewater to sanitary sewers. • Keep exterior trash receptacles and dumpsters covered and do not wash out into storm drain. • Clean kitchen hoods and floor mats; properly dispose of wastewater. | <ul style="list-style-type: none"> • Mailer, annually • PSAs on local cable station | Uncovered dumpsters containing garbage and dumpsters and greasy floor mats that are rinsed out onto the pavement can contribute bacteria to our MS4, which discharges directly to our streams. |
| | Pet/Kennel Owners (dogs/cats) | Pet Licenses* (Roanoke County is responsible for the issuance of license for the Town since July 2019) | Dog: 7,115 Cat: 226 | <ul style="list-style-type: none"> • Excessive bacteria hinder stream usage. • Dog waste ends up in streams. • Pick up after your pet and properly dispose of waste. | <ul style="list-style-type: none"> • Publication sent annually to ROCO & TOV Homeowners • PSAs on local cable station | Dog waste is a major source of bacteria in our streams. |
| | | Kennel Licenses | 177 | | | |
| | Veterinarian Offices | Business Licenses/ Google | 1 – Town 28 – Countywide | <ul style="list-style-type: none"> • Excessive bacteria hinder stream usage. • Dog waste ends up in streams. | <ul style="list-style-type: none"> • Brochures placed in Veterinarian offices, annually | Dog waste is a major source of bacteria in our streams. |

| | | | | | | |
|--|-------------------------------------|---|-------------------------------------|---|---|--|
| | | | | <ul style="list-style-type: none"> • Pick up after your pet and properly dispose of waste. | <ul style="list-style-type: none"> • PSAs on local cable station | |
| | Pet Stores/Pet Boarding/Grooming | Business Licenses/Google | 4 – Town 31 – Countywide | <ul style="list-style-type: none"> • Excessive bacteria hinder stream usage. • Dog waste ends up in streams. • Pick up after your pet and properly dispose of waste. | <ul style="list-style-type: none"> • Brochures placed in pet stores, annually • PSAs on local cable station | Dog waste is a major source of bacteria in our streams. |
| | Homeowners | Tax Records/GIS | 3,660 – Town 34,092 – Countywide | <ul style="list-style-type: none"> • Do not feed wildlife. • Do not feed pets outdoors. | <ul style="list-style-type: none"> • Roanoke County Annual Mailer | By encouraging wildlife to come close to homes, their feces have a higher chance of finding its way to the MS4. |
| | Septic Systems Owners | Tax Records Western Virginia Water Authority | 58 – Town ~ 14,000 – Countywide | <ul style="list-style-type: none"> • Keep septic system maintained; provide periodic pump out. • Repair failing septic system. | <ul style="list-style-type: none"> • Roanoke County Mailer sent annually to septic owners. | Malfunctioning or poorly maintained onsite sewage disposal systems may result in discharges of bacteria in our stream. |
| | Town Police; Animal Control Officer | Town Records | 4 | <ul style="list-style-type: none"> • Excessive bacteria hinder stream usage. • Dog waste ends up in streams. • Pick up after your pet and properly dispose of waste. | <ul style="list-style-type: none"> • In-house training | Dog waste is a major source of bacteria in our streams; these County employees own or handle dogs as part of their work. |

Table 1-7.1C Targeted Education Program: Nutrients

| High-Priority Water Quality Issue | Target Audiences | Means to Determine Audience Size | Estimated Audience Size | Overall Messages | Means to Deliver Messages | Rationale |
|-----------------------------------|------------------------|----------------------------------|-------------------------------------|---|--|--|
| #3 NUTRIENTS | Homeowners | Tax Records/GIS | 3,660 – Town 34,092 – Countywide | <ul style="list-style-type: none"> • Excess nutrients damage streams. • Do not over-fertilize. Use soil tests. • Keep fertilizer off pavements. • Do not over-water lawns. | <ul style="list-style-type: none"> • County Publication sent annually to ROCO/TOV HO • PSAs on local cable station | Excessive nutrients are carried off lawns and other managed turf areas to the County's MS4 and then to local streams; this leads to algae overgrowth in the streams, which adversely impacts fish and other marine life. |
| | Nurseries/ Greenhouses | Business Licenses/ Google | 1 – Town 12 – Countywide | <ul style="list-style-type: none"> • Excess nutrients damage streams. • Do not over-fertilize. Use soil tests. • Keep fertilizer off pavements. | <ul style="list-style-type: none"> • Mailer, annually • PSAs on local cable station | |
| | Lawn Care Services | Business Licenses/ Yellow Pages | 6 – Town 237 – Countywide | <ul style="list-style-type: none"> • How nutrients damage streams. • Do not over-fertilize. Use soil tests. • Keep fertilizer off pavements. • Encourage use of organic products. | <ul style="list-style-type: none"> • Mailer, annually • PSAs on local cable station | |

Table 1-7.2 Print Materials to Address Specific TMDLs* – Produced by Roanoke County Stormwater Program Manager

| Type | Publication Name | TMDLS Addressed |
|------------|--|--|
| Poster | “The HEART of Roanoke County is The “RIVAH” | Bacteria, Sediment, PCBs (plus litter, trash & more) |
| | “Report Illicit Discharges” | Bacteria, Sediment, PCBs, and more |
| | “Construction Site Waste Management Starts with You” | Construction Trash, Debris, PCBs, and more |
| | “I Keep You Safe, You Scoop My Poop: <i>Our Missions are Clear</i> ” | Bacteria |
| | “I Carry Your Stuff. You Scoop My Poop. Deal?” | Bacteria |
| | “Cute? You Betcha.’ But Did You Know? I have to poop outside; my peeps have to scoop it up.” | Bacteria |
| | “No, I am NOT the Poop Fairy” | Bacteria |
| | “Who Left the Dogs’ Poop?” | Bacteria |
| | “Pups Poop, People Scoop. Do it.” | Bacteria |
| | “Clean Stormwater Starts Where You Are” | Bacteria, Sediment, PCBs, and more |
| | “Clean Stormwater: Starts Right Here Under the Trees” | Bacteria, Sediment, PCBs, and more |
| | “Clean Stormwater: Starts Right Here on Your Project” | Bacteria, Sediment, PCBs, and more |
| | “Stormwater - Do Your Part: Keep it Clear” | Bacteria, Sediment, PCBs, and more |
| | “Sediment Pollution = No Fish. The Choice is Clear” | Bacteria, Sediment, PCBs, and more |
| | “Granny Says. . .” | Bacteria, Sediment, PCBs, and more |
| | “Clean Stormwater Makes for Happy Kids” | Bacteria, Sediment, PCBs, and more |
| | “Clean Stormwater: Wildlife Depend on It” | Bacteria, Sediment, PCBs, and more |
| | “Clean Stormwater: Happy Kids, Healthy Fish” | Bacteria, Sediment, PCBs, and more |
| Postcard | “Only Rain Down the Storm Drain” (by CVC) | Bacteria, Kitchen grease, Oil |
| | “Only Rain May Go Down the Storm Drain” (by CVC) | Sediment (plus Detergent, Oil, Heavy Metals, etc.) |
| Newsletter | “A Stormwater Guide for Homeowners February 2024” | Bacteria, Sediment, PCBs, and more |
| | “A Stormwater Guide for Homeowners” (previous issues) | Bacteria, Sediment, PCBs, and more |
| | “It’s Just Dirt, A Newsletter for Contractors” May 2024 | Sediment, PCBs (plus Minimum ESC Stds. & more) |
| | “It’s Just Dirt, A Newsletter for Contractors” (previous issues) | Sediment, PCBs (plus Minimum ESC Stds. & more) |
| | “It’s Just Dirt” | Sediment |

| | | |
|-------------------|--|---|
| Brochure | “Stormwater Best Management Practices for Proper Pet Waste Disposal” | Bacteria |
| | “Stormwater Best Management Practices for Restaurants” | Bacteria |
| | “Reduce, Reuse, Recycle and Properly Dispose of Hazardous Household Wastes | Bacteria, Sediment, PCBs, and more |
| Fact Sheet | “Illicit Discharge Facts” | Bacteria, Sediment, PCBs, and more |
| | “Facts for Plumbers” | Bacteria, Sediment, PCBs, and more |
| | “Facts for Landscapers” | Sediment |
| | “Fall Foliage Facts” | Bacteria, Sediment, and more |
| | “Fact Sheet for Mosquito Control” | None (published as a Public Service message) |
| | “Tips for Homeowners - Stormwater Best Practices” | Bacteria, Sediment |
| | Fact Sheet for PCBs | PCBs |
| | Pool Fact Sheet** | None** |
| | Car Washing Tips | Sediment (plus Heavy Metals, Grease, Oil, etc.) |

■ New in 2023-2024

*Print materials are available online at [Stormwater Public Education Documents | Roanoke County, VA - Official Website \(roanokecountyva.gov\)](https://www.roanokecountyva.gov/stormwater-public-education-documents)

**The Pool Fact Sheet is mailed to every pool-related business and pool owner in the County and Town of Vinton (1,879 total). While it does not address a specific TMDL, this document is believed to be of value in helping to keep chemicals, such as chlorine and algacide, out of the area’s receiving waters.

TABLE 1-7.3 Program Materials and Targeted Audiences for BMP 1-7

| Target Audience | Product Type | Delivery Method | # of Recipients | Nature of Message |
|---|---------------------|------------------------|------------------------|---|
| Restaurants | Letter and Brochure | Mailed | 484 (ROCO & TOV) | Stormwater Management BMPS for Restaurants; MS4 permit requirements. |
| | Postcard | Mailed | 484 (ROCO & TOV) | Only rain down the storm drain; no solid or liquid waste; do not rinse out dumpsters. |
| Car Washes, Auto Repair Shops, New & Used Car Dealers, Auto Detailers, etc. | Postcard | Mailed | 261 (ROCO & TOV) | Wash water carries sediment, oil, and heavy metals to receiving waters. |

| | | | | |
|--|---|---|---------------------|--|
| Vets, Groomers, Pet Daycare and Boarding, etc. | Letter, Brochure, and Poster | Mailed | 64(ROCO & TOV) | Pet waste pollutes receiving streams; owners are encouraged to pick up after their pets. |
| Landscaping Professionals | Letter and Fact Sheet | Mailed | 250 (ROCO & TOV) | Grass/shrub clippings, leaves, sediment, fertilizers, etc. cause pollution to receiving waters; use BMPs to minimize lawn debris, reuse stormwater, install erosion controls, and employ alternative lawn care practices. |
| Violators of Illicit Discharge Ordinance | Fact Sheet(s) applicable to the discharge | Mailed at time of violation | 26 (ROCO & ROCO) | It is illegal to discharge anything into the MS4 system except for the allowable non-stormwater discharges listed in the permit. |
| Plumbers | Fact Sheet | Provided in the ROCO Development Services Counter | Unknown | It is illegal to discharge anything into the MS4 system except for the allowable non-stormwater discharges listed in the permit |
| Contractors involved in Land Disturbing Projects | Brochure | Distributed with ESC Permits | 161 (ROCO & TOV) | “It’s Just Dirt” – brochure describes the harm to receiving waters from excess sediment from construction sites, explains permit requirements, provides techniques to “keep dirt on the project.” |
| | Newsletter | Mailed | 841 (ROCO & TOV) | |
| Residents | Brochure | Provided in the TOV Lobby and ROCO Development Services Counter | Unknown | “Reduce, Reuse, Recycle and properly dispose of hazardous household wastes” brochure. |
| Residences | Newsletter | Mailed | 34,883 (ROCO & TOV) | MS4 Permit requirements; high-priority water quality issues; minimizing PCBs, reducing stormwater pollution at home, do not feed wildlife, pick-up pet waste, prevent illicit discharges, maintain septic system, create stream buffers. |

The list of County and Town businesses that received the above-listed materials can be found in the Roanoke County compact disk under the folder titled BMP 1-7 submitted with the County Annual Report.

The Town continues to work cooperatively with Roanoke County Stormwater Manager in the distributions of the brochures, fact sheets, and posters. The County continued to use its previously developed educational materials to target certain audiences; and the percentages of the targeted audiences that were reached have been listed in Table 1-7.4.

TABLE 1-7.4 Summary of Targeted Mailings and % Reach in Roanoke County and Town of Vinton

| Annual Period | Type of Educational Material | Target Group | # Sent /Total # in Target Group | % of Target Audience Reached |
|---------------------------------|--|---|--|-------------------------------------|
| 2023 - 2024 (Year 1) | Restaurant Postcard, Letter, and Brochure | Restaurants** | 484/484* | 100% |
| | Car Washing Tips (Fact Sheet) and Letter | Businesses with Car Washing | 261 /261 | 100% |
| | “It’s Just Dirt” Newsletter | Land-disturbing Contractors | 841/841 | 100% |
| | “It’s Just Dirt” Brochure | Land-disturbing Contractors | 161*/841 | *19.6% |
| | Stormwater Newsletter | Residences | 34,883/34,883 | 100% |
| | Landscaping Fact Sheet | Professional Landscapers, Nurseries, Greenhouses | 250/250 | 100% |
| | Pet Waste Poster, Letter, and Brochure | Veterinarians, Groomers, Stables, Pet Daycare, Kennels, Pet Boarding, Animal Control Officer, etc. | 62/62 | 100% |
| | “Tips for Homeowners - Stormwater Best Practices” | Residential lots using individual stormwater control measures without maintenance agreements | 10/10 | 100% |

Note:

* Mailing including restaurants in neighboring localities

* Not all contractors obtain a land-disturbing permit in any given year; and some contractors obtain multiple permits.

Roanoke County’s stormwater poster that was created to encourage residents to report illicit discharges. This poster was included in the Stormwater Newsletter April 2023 on page 12 and posted via this link: [Stormwater Public Education Documents | Roanoke County, VA - Official Website \(roanokecountyva.gov\)](https://www.roanokecountyva.gov/stormwater-public-education-documents)

The annual “It’s Just Dirt” newsletter, which was mailed (and emailed) to all land-disturbing contractors, land developers, and consulting firms in the region, including the Roanoke Regional Home Builders Association, provided helpful information on the following topics:

- How preventing erosion protects downstream waterways
- Implementing pollution prevention and good housekeeping “Best Management Practices (BMPs) on construction sites to prevent or minimize stormwater pollution
- Common mistakes that cost time and money
- Highlights on the “pathway to a successful project”
- How and why to manage concrete washout
- Using reusable mats (portable “mud stoppers”) in lieu of stone construction entrances

Both newsletters are available via a link through the Town’s website at:

[Publications & Resources | Vinton, VA - Official Website \(vintonva.gov\)](#) /or
[Stormwater Public Education Documents | Roanoke County, VA - Official Website \(roanokecountyva.gov\)](#)

TMDL Consistency: The Contractor’s newsletter is primarily focused on keeping dirt from construction sites out of the river and other local waterways. The Car Washing Tips (fact sheet) targets local businesses that may have uncontrolled discharges from vehicle washing operations, which could increase sediment discharges into local receiving waters. Therefore, these documents address the TMDL for sediment (SED). Similarly, the restaurant postcard addresses rinsing of kitchen equipment and accessories, which may contribute bacteria to receiving waters. The Pet Waste posters focus on bagging pet waste and placing it in the trash. Thus, these documents help address the County’s and the Town’s TMDL for bacteria (EC). The Stormwater newsletter for residents, the It’s Just Dirt newsletter for contractors, and the “PCBs Fact Sheet” help address the County’s TMDL for PCBs. Other outreach materials previously developed by the County also address the TMDLs, as shown in Table 1-7.2.

Evaluation and Modification: The Town finds this BMP to be effective in raising the awareness of specific public (target) audiences regarding how their day-to-day activities may affect stormwater quality. No modifications are planned for this BMP.

MCM 2: PUBLIC PARTICIPATION AND INVOLVEMENT

The Town of Vinton along with Roanoke County, Cities of Roanoke and Salem, Roanoke Valley Resource Authority (RVRA), Clean Valley Council (CVC), Inc., and Western Virginia Water Authority (WVWA) will continue to have the community involved with clean-up projects along local streams and riparian corridors. This control measure is intended to provide a means for the public to be involved with and participate in the Town's Stormwater Program to improve water quality and support local restoration and clean-up projects.

This minimum control measure (MCM) is intended to provide a means for:

1. 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.
2. The public to provide comments on the permittee's MS4 program plan.
3. The Town to respond to public comments received on the MS4 program plan.
4. The Town to maintain documentation of public comments received on the MS4 program and associated MS4 program plan and the permittee's response.

The Town will continue to coordinate several programs to engage citizens' interest in stormwater high-priority water quality issues of excess in sediment, bacteria, and nutrients, as follows:

BMP 2-1. A Storm Drain Stenciling Program

The Town through cooperative agreement with Clean Valley Council will implement a storm drain inlet stenciling program, which is designed to engage citizens and educate the public about the consequences of dumping waste into the storm drainage system.

BMP 2-2. Stormwater Public Events

The Town will participate in and/or conduct at least four (4) public events per year (in two different categories, as listed in the table below in the MS4 Permit) to bring attention to current stormwater pollution issues.

BMP 2-3. MS4 Program and Stormwater Pollution Prevention Website for Citizens Access

The Town will maintain a webpage that is dedicated to the MS4 Program and Stormwater Pollution Prevention. This webpage will contain the effective MS4 permit and coverage letter, the most current MS4 Program Plan, the Annual Report for each permit year covered by the current permit, and a mechanism for the public to report (i) potential illicit discharges, improper disposal, or spills to the MS4, (ii) complaints regarding land disturbing activities, or (iii) other potential stormwater pollution concerns. It will also include the methods for how the public can provide input on the Town's MS4 program.

BMP 2-4. Household Hazardous Waste Collection Event

The Town through RVRA will participate in Household Hazardous Waste Collection events to help citizens dispose of household materials that could be hazardous to dispose of in landfills.

This report provides a detailed description of the goals of each BMP, the status of the Town's compliance with each BMP, and an evaluation of the BMP and any proposed modifications needed to better achieve the overall MS4 Program goals. In addition, the strategies to ensure consistency with local TMDLs are also provided, and they are broken down by impairment type: Escherichia coli (*E. coli*) bacteria (EC), sediment or (SED).

BMP 2-1. A Storm Drain Stenciling Program

Goal: The goal of this BMP is to coordinate a storm drain inlet stenciling program through the Clean Valley Council (CVC). This effort will be coordinated with interested parties from local schools, neighborhoods, businesses, and other groups to stencil messages on storm drain inlets to educate people about the consequences of dumping waste into the storm drainage system.

Responsible Party: The Town’s Planning and Zoning Department through a Cooperative Agreement with Clean Valley Council (CVC).

Schedule: The Town coordinates its storm drain stenciling program through the CVC. A minimum of 15 storm drain inlets will be stenciled per year with messages designed to raise public awareness about stormwater pollution. The Town will document the number and location of the inlets that are stenciled in each permit year.

Measurable Goal: The Town coordinates its storm drain stenciling program through the CVC. A minimum of 15 storm drain inlets will be stenciled per year with messages designed to raise public awareness about stormwater pollution. For Year 1 the storm drain inlet stenciling was conducted by Clean Valley Council. Sixteen (16) storm drains were stenciled with the following message: “No Dumping, Drains to River.”.



| Permit Year | Storm Drains Stenciled | Number of Participants |
|---------------------|------------------------|------------------------|
| 2023- 2024 (Year 1) | 16 | 3 |

TMDL Consistency: The storm drain marking program is an outreach method to inform and remind citizens that what goes into the storm drain goes directly to local creeks and streams. The stenciling activity and message will make the citizens understand that the storm drains are not treated by the sanitary sewer, therefore they will be less likely to allow pet waste, other non-stormwater waste, illicit discharges to enter the storm drain through the road-side inlets (EC/FC, SED).

Evaluation and Modification: The Town finds this BMP to be an effective method of getting citizens informed on the stormwater issues and illicit discharges. This method has seen a decrease in participants and the Town will address this with Clean Valley Council.

BMP 2-2. Stormwater Public Events

Town Staff continues to be involved in the coordination of regional clean-up and environmental events such as the annual Clean Valley Day in spring and Fall Waterways Cleanup Events; Prescription Drug Take-back Program; Earth Day; Earth Summit; Go Fest; Riverfest; and public forums on environmental issues related to water quality and impaired water bodies. Since 2000, the Town has been holding an Arbor Day Celebration and Tree Planting event at public properties, public and parochial schools, and/or along the greenways.

A prescription drug drop-off box was placed in the Vinton Police Department beginning in April 2018, as a location to dispose of prescription drugs. This box is available during business hours year-round so that citizens can drop off unused prescription drugs at times other than the publicized Drug Take-back events. The Vinton Police Department also participates with the other Roanoke Valley Law Enforcement Agencies and Western VA Water Authority (WVWA) with the Regional Drug Take-back events and for the Town the event is being held annually at the Town's Lake Drive Plaza Shopping Center.

Goal: The goal of this BMP is to engage citizens in various public events to raise awareness about ways to improve water quality and to support local restoration and clean-up projects. To that end, the Town participates in and/or conducts at least 4 public events per year (in two different categories, as listed in the table below to bring attention to current stormwater pollution issues.

Responsible Party: The Town's Planning and Zoning Department, in conjunction with Clean Valley Council, Roanoke County, Cities of Roanoke and Salem, Roanoke Valley Resource Authority (RVRA), and the Town's Public Works and Police Departments.

Schedule: The Town annually involves in and/or conducts at least four of the following events (in at least two of the various MS4 permit categories) to engage the public and raise awareness about stormwater pollution issue

Measurable Goal: The Town will document the details of the events, the number of the Town or CVC participants, and the number of people in attendance (where applicable). Success for this BMP will be measured by the completion of at least four of the listed events and fulfillment of their corresponding metrics.

- On behalf of the Town of Vinton and neighboring localities, the Clean Valley Council was active in more than 30 regional events during the permit year (some were held on multiple dates) and together they involved more than 50,000 individuals. During these events, CVC staff distributed a variety of materials with stormwater-related messages and addressed questions and comments about stormwater and water quality. Information highlighted at the booths included the benefits of stream buffers, the differences between storm and sanitary sewers, and the importance of pet waste pick up and disposal.
 - Anytime Cleanup – July 2023 through June 2024
 - Adopt-A-Street Cleanups – July 2023 through June 2024
 - Community Cleanups – July 2023 through June 2024

- Star City Sustainability Series – July 13, 2023, December 14, 2023, February 22, 2024, March 14, 2024, April 18, 2024, and June 29, 2024.
- Bay Days, Camp Bethel – September 20, 2023
- GO FEST at Elmwood Park – October 14, 15, 16, 2024
- Mill Mountain Zoo Party – April 27, 2024
- The Academy – November 1, 2023
- Earth Summit at Roanoke College – November 17, 2024
- Roanoke College – November 14, 2022; January 23, 2024; February 13, 14, 2024; April 2, 10, 2024
- Clean Valley Day – April 6, 2024
- Orvis Earth Day Presentation/Clean-up – April 18,
- Earth Day at Foot Levelers Blue Ridge April 20, 2024
- Fralin Biomedical Research Institute Earth Day Green Labs – April 22, 2024
- VAMC Earth Day Salem VA Medical Center – June 5, 2024
- Rain Barrel Workshop – October 17, 2023, March 28, 2024, April 1, 2024, May 15, 2024, June 5, 2024
- Blue Ridge Soil and Water Conservation Farm – August 28, 2024
- Grandin Court Library-GO Green – April 27, 2024

| Public Events | Responsible Party | Categories (per MS4 Permit) | Metric |
|--|------------------------|--------------------------------------|---|
| Annual CVC Clean Valley Day and Fall Waterways Cleanups (Stream and Watershed Clean-up); Community Clean-up Events | CVC | Restoration/ Pollution Prevention | Weight of trash collected; number of participants |
| Go Fest (booth, stream school) | CVC | Educational; Monitoring | Number of participants/students |
| Town of Vinton Events: Fall Festival and Dogwood Festival | CVC | Educational | Number of participating children and adults |
| Household hazardous waste collection (see BMP 2-4) | RVRA | Disposal or Collection | Weight of waste collected; number of participants |
| Storm drain stenciling program (see BMP 2-1) | CVC | Pollution Prevention | Number and location of storm drains stenciled; number of participants |
| Implementation of pet waste stations in along the greenways and public facilities (see BMP B-6 in the Town's Bacteria TMDL Action Plan) | TOV Public Works Dept. | Pollution Prevention | Number and location of pet waste stations installed/maintained |
| Stormwater education program for Roanoke County's/Town's schoolchildren - meets applicable SOLs (See BMP 1-4) | CVC | Educational | Number of programs provided; number of children taught |
| Stream monitoring and informational stream seminars (See BMP 1-3) | CVC | Monitoring | Number of stream schools given; number |

| | | | |
|--|------------------------------------|-------------|--|
| | | | of participating students |
| Town of Vinton Annual Arbor Day Celebration/Tree Planting Ceremony Event | TOV Planning & Zoning Dept. | Educational | Number of participating children and adults. |
| The Annual Prescriptions Drug Take-back Event/Dropbox in Vinton Municipal Building Lobby | TOV Police Dept/ROCO Sheriff Dept. | Educational | Weight of drug collected. |

- The Town's Planning and Zoning Department of Planning received matching grant funds through the Virginia Trees for Clean Water program, through the Roanoke Valley-Alleghany Regional Commission, for an annual tree planting/Arbor Day ceremony at greenways, public/parochial schools, and/or public properties. The Arbor Day Celebration event was held on April 25, 2024, at the Vinton Public Library. The event was attended by the Vinton Mayor, council members, town personnel, and Virginia Department of Forester. Children from the Boy's and Girl's Club; parents; personnel/teachers were presented with Smokey the Bear and programs by the State Forester.

The event was filmed by Roanoke Valley Television and posted on the YouTube: [Vinton Arbor Day 2024 \(youtube.com\)](https://www.youtube.com/watch?v=VintonArborDay2024)

The Town Council also recognized National Arbor Day by proclaiming April 28, 2024, as Arbor Day in the Town of Vinton by encouraging citizens to plant a tree in their community. A total of 10 trees were planted along the Town's Greenway (Glade Creek Greenway).

Arbor Day Celebration Event was held on April 25, 2024, at Vinton Public Library, 300 S. Pollard Street, Vinton. In conjunction of the Arbor Day Celebration, several trees were planted on the grounds of Gearhart Park, along Glade Creek Greenway.

| Permit Year | Environmental/Clean-up Events | Participants/Attendees |
|----------------------|---|---|
| 2023 – 2024 (Year 1) | ~ 30 Regional CVC Events Vinton Dogwood Festival Environmental/Stormwater 3 Vinton Local Cleanups Arbor Day/Tree Planting Event | ~50,000 – CVC Regional Events ~ 3,000 ~ 30 Volunteers ~ 40 Adults and Children |



Arbor Day/Tree Planting Event on April 25, 2024, at Downtown Vinton Public Library, 300 S. Pollard Street, Vinton 24179

TMDL Consistency: Since they are key regional water quality issues, pet waste and soil erosion are common issues discussed at the events in which CVC participated, (EC & SED). In addition, the tree planting events focus on the value of stream buffers for protecting water quality, through their pollution-filtering capabilities (EC & SED) and for maintaining wildlife habitat.

While not directly TMDL-related, some of these events address stormwater pollution and the need for removal of trash, debris, and litter from the drainage system.

Evaluation and Modification: Based upon the attendance at these public events, the Town finds this BMP to be an effective method of allowing the citizens to inquire about issues and have hands-on involvement in projects that help to improve water quality. Also, they provide the Town with an opportunity to receive public input and to disseminate pertinent stormwater-related information. No modifications are planned for this BMP.

The Town in discussion with Roanoke County Stormwater Program Manager anticipates taking a more robust approach to stormwater-related public events in the next permit year and beyond and will modify this BMP to reflect those changes. The changes will be accordingly reflected in the Town's MS4 Program Plan.

BMP 2-3. MS4 Program and Stormwater Pollution Prevention Website for Citizens' Access

The Town continues to post the Town's Municipal Separate Storm Sewer Systems (MS4) Program documents on the Town's website which citizens may view and comment upon. This form of public viewing will allow Town citizens to become knowledgeable about the goals of the program and have information with which to comment on existing issues and influence changes in future programs. Each annual report as required will be posted on the website to keep citizens current on annual evaluations of the program's effectiveness and any proposed changes to the stormwater program.

Goal: The Town will maintain and monitor its Stormwater website, which provides information to the public concerning the Town's Municipal Separate Storm Sewer System (MS4) Program, pertinent ordinances, design guidelines, general information, contact information, stormwater pollution prevention information, educational materials (newsletters, fact sheets, posters, and more), and links to other organizations and sites. The messages will be coordinated with the high-priority stormwater issues identified in BMP 1-5.

As part of the Stormwater website, the Town will maintain a webpage dedicated to the MS4 Program, which will contain MS4 permit information, including the effective MS4 permit and coverage letter, the most current MS4 Program Plan, the Annual Report for each permit year covered by the current permit, and a mechanism for the public to report (i) potential illicit discharges, improper disposal, or spills to the MS4, (ii) complaints regarding land disturbing activities, or (iii) other potential stormwater pollution concerns. This site will also include the methods for how the public can provide input on the Town's MS4 program.

For citizens who wish to submit a stormwater-related concern or provide input on the MS4 Program Plan, the following links are available on the Town's Stormwater website:

- Report Stormwater Pollution Concerns
- Report Construction Site/Land Disturbing Complaints
- Submit comments on the Town's MS4 Program Plan

Responsible Party: The Planning and Zoning Department, the Planning and Zoning Coordinator is the Town's webmaster and social media coordinator.

Schedule: The Town maintains a webpage that is dedicated to its MS4 Program and Stormwater Pollution Prevention topics. The Stormwater website will contain a link to Roanoke County's stormwater website that contain the appropriate videos from the County's IDDE Public Outreach kit (discussed in BMP 1-5) to inform the public about the hazards and legal ramifications of illicit discharges. It will also include recent versions of the County's stormwater-related public education materials, such as newsletters, fact sheets, posters, brochures, and more.

The page can be accessed by clicking on this link: [Stormwater Quality Information | Vinton, VA - Official Website \(vintonva.gov\)](https://www.vintonva.gov/stormwater-quality-information)

The annual report for each year of the current permit's term will be posted to this webpage no later than 30 days after it has been submitted to DEQ.

Measurable Goals: Success for this BMP will be measured by the successful posting of the MS4 permit, the corresponding permit coverage letter, the MS4 Program Plan, and the MS4 Annual Report (the latter of which will be posted within 30 days following its submittal to DEQ), along with a mechanism for the public to report its stormwater-related concerns and the methods by which the public can provide input on the Town of Vinton's MS4 program.

- Citizens can report any concerns including stormwater runoff and/or storm drain complaint through the Town's website via the following link below:

[Citizen Portal \(iworq.net\)](http://www.iworq.net)

In this Permit Year, the Town received two (2) stormwater-related complaint through its "iWorQ" web form. The complaints were pertaining to the presence of excessive feces on sidewalks that were near storm drains. One complaint was received February 10, 2024, and the other March 22, 2024, both aimed at the Cedar Avenue community. Town personnel sent out 51 letters to the neighborhood residences on March 25, 2024. Each letter also included a copy of "Its your Doodie" Brochure. A copy of this brochure can be found on the Town's website:

[Publications & Resources | Vinton, VA - Official Website \(vintonva.gov\)](http://www.vintonva.gov).

iWorQ



Town of Vinton
311 S. Portland Street
Vinton, VA 22675
Phone: (540) 969-0900
Fax: (540) 969-0921

Submit A Violation

CLICK HERE to Submit a Complaint

Submit a complaint for a public nuisance that needs to be addressed by Code Enforcement.

Example Nuisances to Submit:

- Tail Grass
- Abandoned Vehicle
- Unsafe Structure

When searching for a property on the application, please start with ONLY the street number or ONLY the street name.

- 1 Click on the icon to begin.
- 2 Fill out all applicable fields and attach an image.
- 3 Click Submit to send the complaint to the Town.

- Citizens can report an illicit discharge through the Town's website via the link below:

[Illicit-Discharge-Reporting-Form-Stormwater \(vintonva.gov\)](http://www.vintonva.gov)

Below is the summary of the views of the County's stormwater-related Videos and Public Service Announcements (PSAs) provided by the County's Stormwater Manager.

Views for Videos and PSAs (July 1, 2023 - June 30, 2024)

| Video Title | Views | Watch Time (Hours) |
|---|-------|--------------------|
| SWM - Illicit Discharge Detection and Elimination | 54 | 4.8009 |
| SWM - Stormwater Pollution Prevention for MS4s | 34 | 7.4863 |
| SWM - Stormwater Pollution Prevention for Construction Sites | 24 | 2.2781 |
| SWM - Granny Says PSA 30 | 16 | 0.1407 |
| SWM - Scoop the Poop PSA 30 | 12 | 0.0663 |
| SWM - Car Wash PSA 30 ¹ | 11 | 0.0796 |
| SWM - Leaf Solution PSA 30 | 9 | 0.0578 |
| SWM - Illicit Discharge, Detection and Elimination, A Grate Concern - 5 minutes | 9 | 0.161 |
| SWM - Illicit Discharge, Detection and Elimination, A Grate Concern - 30 seconds | 8 | 0.0454 |
| SWM - Lawn Care PSA 30 | 7 | 0.0553 |
| SWM - Rain Barrel PSA 30 | 7 | 0.0353 |
| SWM - Illicit Discharge, Detection and Elimination, A Grate Concern - 60 seconds | 6 | 0.0295 |
| SWM - Illicit Discharge, Detection and Elimination, A Grate Concern - 2 minutes | 5 | 0.0635 |
| SWM - Illicit Discharge, Detection and Elimination, A Grate Concern - 10 minutes | 4 | 0.0398 |
| SWM - Oil and Grease PSA 30 ¹ | 3 | 0.0207 |
| SWM - Roanoke County Stormwater PSA May 2014 | 2 | 0.018 |
| SWM - Descarga, detección y eliminación ilícitas, una preocupación import 60 segundos | 1 | 0.0034 |

¹The Clean Valley Council (CVC) produced this PSA some years ago on behalf of Roanoke County, Roanoke City, and Town of Vinton

TMDL Consistency: Access to the MS4 Program documents and stormwater management information gives Town’s citizens a means to familiarize themselves with the issues concerning the Town’s waterways and creeks, the associated impairments, and any approved TMDLs. In addition, the program documents detail the Town’s efforts to address these issues.

This BMP helps to inform citizens on ways to get involved with current water quality issues and to make them aware of available outreach programs, both with the goal of helping citizens minimize any impacts that they may have on local water quality. (EC, and SED).

Evaluation and Modification: The Town believes that posting the MS4 program-related documents on its Stormwater Website is an effective way to allow interested citizens to become more familiar with the Town’s stormwater program and to provide them with a means to make comments and become involved. No modifications are planned for this BMP.

Pursuant to the MS4 permit, the Town will provide the following:

- A summary of any public comments on the MS4 Program received and how the Town responded.
 - The Town did not receive any public comments on the MS4 Program in the reporting year.
- 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 Town responded.
 - In this Permit Year, the Town did not receive any drainage-related complaints.

- In this Permit Year, the Town received two stormwater related complaints through the iWorQ web form.
- The webpage address to the Town's MS4 program and stormwater website, to include (1) mechanisms for the public to report (i) potential illicit discharges, improper disposal, or spills to the MS4, (ii) complaints regarding land disturbing activities, or (iii) other potential stormwater pollution concerns; and (2) methods for how the public can provide input on the permittee's MS4 program.

Stormwater: <https://www.vintonva.gov/209/Stormwater-Quality-Information>

MS4 Program: <https://www.vintonva.gov/230/MS4-Permit>

Report a Concern or Provide input:
<https://www.vintonva.gov/393/Public-Outreach-Education>

BMP 2-4. Household Hazardous Waste Collection Events

The Town of Vinton along with Roanoke County and City of Roanoke created Roanoke Valley Resource Authority in 1992. The Roanoke Valley Resource Authority (RVRA) owns the Tinker Creek Transfer Station, the Smith Gap Landfill, and the Waste Line Express train. This regional, public-private partnership was the first project in the United States to use rail as the sole transportation link between a solid waste transfer station and a landfill.

A permanent household hazardous waste facility is continued to be made available at the Roanoke Valley Resource Authority (RVRA). Free monthly collection events take place the third Saturday of each month, beginning at 12 noon for the residents of the Cities of Roanoke and Salem, Roanoke County and Town of Vinton. Preregistration is required to bring items to these events.

In addition to the RVRA HHW monthly collections, the Western Virginia Water Authority (WVWA) holds an annual Rx/Prescription Take-back event in the Roanoke Valley region in which the Vinton Police Department participates by having the event at the Vinton Lake Drive Plaza Shopping Center/Vinton Kroger. These drugs are then collected by Roanoke County Sheriff's Office for destruction.

Goal: The goal of this BMP is to provide citizens with an opportunity to dispose of their potentially-hazardous household materials in an environmentally-friendly manner; this will avoid having such products end up in local landfills.

Responsible Party: The Town's Planning and Zoning, Police Department, and Public Works Department, through the Roanoke Valley Resource Authority (RVRA) and Western Virginia Water Authority (WVWA).

Schedule: The Town will continue to participate in this RVRA Household Hazardous Waste (HHW) Collection and WVWA Rx/Prescription Take-back event. The Town will document the number of these events, participants, and total weight of the collected waste. The Town will continue with the funding to keep the monthly collection at the RVRA facility and to provide staff during the drug take back events. This monthly collection and drug take back events make it easier for citizens to dispose of their household hazardous materials and waste, and their unused prescription drugs. The Vinton Police Department in cooperation with Roanoke County Sheriff Department will continue to maintain the prescription drug drop-off box in the lobby accessible to the public during business hours.

Measurable Goal: Success for this BMP will be measured by the continued participation in the RVRA Household Hazardous Waste monthly collections and the WVWA Rx Take-Back Event. The Town will continue to advertise this monthly hazardous waste collection, Rx/Prescription take-back events, and the Vinton Police Department drop-off box on its website to increase participation to keep hazardous wastes from being disposed inappropriately into the Roanoke Valley streams and river.

| Permit Year | Vinton Police Department Drug Collection Box | Total Bags and Pounds Collected |
|--------------------|---|------------------------------------|
| 2023-2024 (Year 1) | Total as of April 2024 | 93.9 lbs. |

| Permit Year | # RVRA Household Hazardous Waste Collection Events | Attendance |
|--------------------|--|-------------------------------|
| 2023-2024 (Year 1) | 10* | 14 Town of Vinton/730 (Total) |

*Two events were cancelled due to the weather

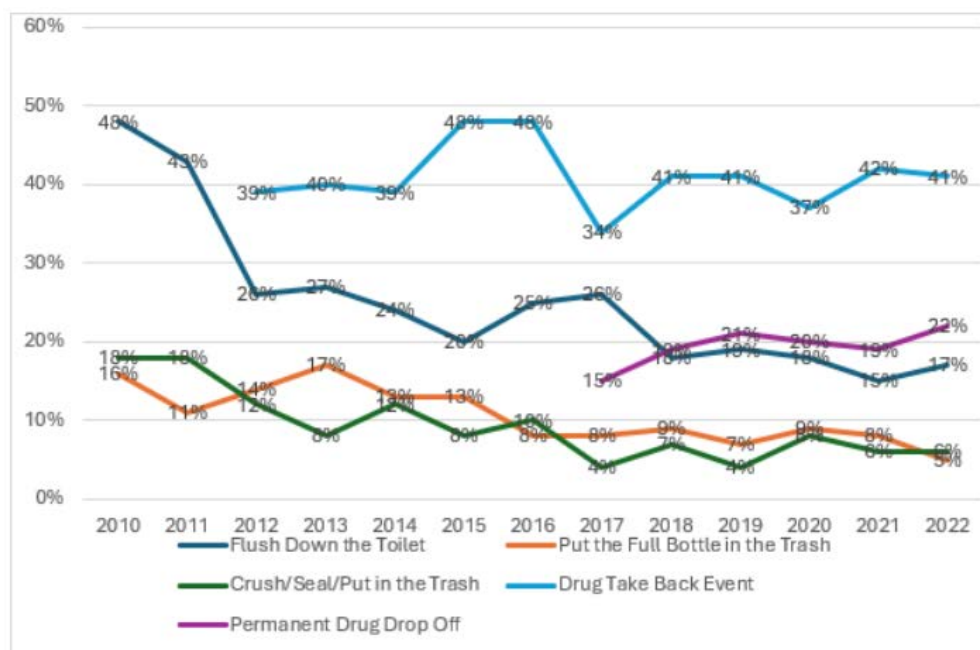
- Regional statistics on the materials collected, quantities and total weight collected by the RVRA for the household hazardous waste for this permit year is shown below.

RVRA Household Hazardous Waste Collection Program, July 1, 2023 – June 30, 2024

| * | Oil Gallons | Antifreeze Gallons | Batteries Each | Latex Paint Gallons |
|---------------------|----------------|-----------------------|-------------------|------------------------|
| YTD Total | 1215 | 0 | 0 | 3955 |
| YTD Residents Total | 243 | 0 | 0 | 791 |

- As of July 1, 2022, the Town sold its water and sanitary sewer systems to Western Virginia Water Authority (WVWA). The WVWA held two Drug Take-Back events in the Roanoke Valley; the events were held on October 28, 2023 (97.6 lbs collected) and April 27, 2024 (93.9 lbs collected).
 - The WVWA collected additional medication at the permanent take-back boxes located at the Towers CVS, Walgreens on Hershberger Road, and Carilion pharmacies, but the WVWA has no mechanism for determining the collection totals for any of the permanent take-back boxes.
 - WVWA created a regional website, [Take Them Back - Take Them Back](#) with an interactive map that shows all permanent drug take-back boxes located in the Roanoke Valley.
 - The WVWA is administering a \$136,700 Virginia Environmental Endowment grant that started in July 2021 and goes through July 1, 2024. Through this grant, the WVWA purchased and distributed medication disposal bags, disposal information magnets, and one permanent lock box at FairWay Pharmacy. The WVWA has also created and launched quarterly media campaigns about proper medication disposal and has conducted pre-grant testing on pharmaceuticals/personal care products in wastewater.
 - The WVWA received their 2022 SurveyUSA phone poll results, and out of 500 adults 18 and over in the counties/cities of Botetourt, Craig, Roanoke City, Roanoke County, and Salem City, when it comes to the question, “How would you most likely dispose of unwanted prescription drugs in your home?” These are the results:

| How would you most likely dispose of unwanted Rx drugs in your home? | | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|
| METHOD | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
| Flush Down the Toilet | 48% | 43% | 26% | 27% | 24% | 20% | 25% | 26% | 18% | 19% | 18% | 15% | 17% |
| Put the Full Bottle in the Trash | 16% | 11% | 14% | 17% | 13% | 13% | 8% | 8% | 9% | 7% | 9% | 8% | 5% |
| Crush/Seal/Put in the Trash | 18% | 18% | 12% | 8% | 12% | 8% | 10% | 4% | 7% | 4% | 8% | 6% | 6% |
| Drug Take Back Event | | | 39% | 40% | 39% | 48% | 48% | 34% | 41% | 41% | 37% | 42% | 41% |
| Permanent Drug Drop Off | | | | | | | | 15% | 19% | 21% | 20% | 19% | 22% |



| Permit Year | WVWA Drug Take-back Event | Total (lbs.) Collected | Total (lbs.) Collected at Vinton Kroger |
|----------------------|---------------------------|------------------------|---|
| 2023 – 2024 (Year 1) | October 28, 2024 | 539.4 | 97.6 |
| | April 27, 2024 | 1743.7 | N/A |

*NOTE:

Additional medication was collected at the growing number of permanent take-back boxes across Roanoke Valley, but the WVWA has no way of knowing the quantity.

TMDL Consistency: Currently, there is no known direct benefit that this BMP will have on any of the TMDL waste load allocations. However, it should have a beneficial effect on stream water quality by keeping these products out of local receiving waters.

Evaluation and Modification: Participation in the Household Hazardous Waste Collection events, the prescription take-back events, and the prescription drop-box at the Vinton Municipal lobby are popular with citizens. The Town understands that these programs help to keep hazardous wastes from being disposed of in an inappropriate fashion and out of local waterways, therefore, the Town does not have any plans to modify this BMP.

MCM 3: ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE)

The Town has established a program to detect and eliminate illicit discharges in the Town's storm sewer system by developing and adopting ordinances and regulations, outfalls inspections, and an enforcement program to minimize illicit discharges and to prevent illegal discharges into the storm drain system.

The goal of this minimum control measure is to develop, implement, and enforce a program to detect and eliminate illicit discharges to the storm sewer system. The following amended BMPs have been established to complete this measure are listed below.

BMP 3-1. The Town Municipal Separate Storm Sewer System (MS4) Map

The Town in cooperation with Roanoke County Communication/Information Technology (CommIT) GIS Division maintains a map of the Town's municipal separate storm sewer system (MS4) in the County's GIS network. This database will be maintained so that a map of all the public storm sewers in the Town will be available to the public.

BMP 3-2. Illicit Discharge Ordinance

Both the Town of Vinton's and Roanoke County's Illicit Discharge Ordinance have been adopted and will be maintained to provide authority to address illicit discharges. It includes language that prohibits non-stormwater discharges into the storm drainage (MS4) system.

BMP 3-3. Illicit Discharge Detection and Elimination (IDDE) Program *(formerly BMP 3-4. Illicit Discharge Program to Minimize Illicit Discharges)*

The Town maintains written procedures and implements a program to detect, identify, and address non-stormwater discharges and illegal dumping into its MS4.

BMP 3-4. Dry Weather Screening *(formerly BMP. 3-3. MS4 Outfall Inspections)*

The Town implements a program to annually inspect storm drain outfalls within its MS4 area in search of unauthorized discharges.

This report provides a detailed description of the goals of each BMP, the status of the Town's compliance with each BMP, and an evaluation of the BMP and any proposed modifications needed to better achieve the overall MS4 Program goals. In addition, the strategies to ensure consistency with local TMDLs are also provided, and they are broken down by impairment type: *Escherichia coli* (*E. coli*) bacteria (EC) or sediment (SED).

BMP 3-1. The Town Municipal Separate Storm Sewer System (MS4) Map

Roanoke County Department of Communication/Information Technology GIS Division has been responsible for the Town's mapping services and needs.

Goal: The goal of this program is to develop and maintain an accurate MS4 map (with a corresponding information table attached), which shows the storm sewer system that is owned or operated by the Town.

The MS4 map shall include the location of MS4 outfalls that discharge to surface waters, a unique identifier for each mapped item, the name and location of receiving waters to which the MS4 outfall (or point of discharge) discharges, and all stormwater management facilities owned or operated by the Town of Vinton.

The information table associated with the MS4 map shall include the following information for each outfall or point of discharge for those cases in which the Town elects to map the known point of discharge:

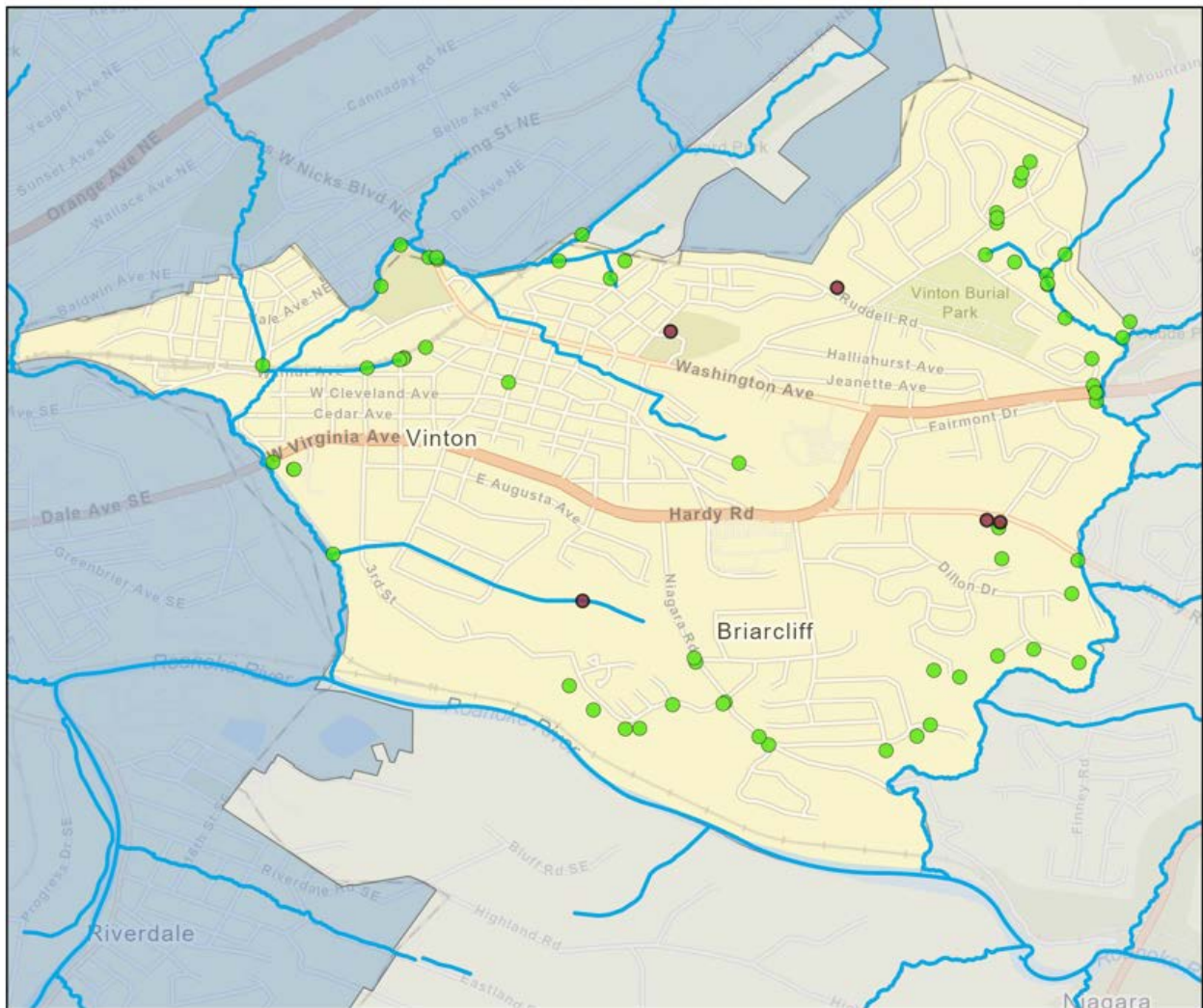
- a) A unique identifier as specified on the storm sewer system map;
- b) The latitude and longitude of the outfall or point of discharge;
- c) The estimated regulated acreage draining to the outfall or point of discharge;
- d) The name of the receiving water;
- e) The 6th Order Hydrologic Unit Code of the receiving water;
- f) An indication as to whether the receiving water is listed as impaired in the Virginia 2016 305(b)/303(d) Water Quality Assessment Integrated Report;
- g) The predominant land use for each outfall discharging to an impaired water; and
- h) The name of any EPA-approved TMDLs for which Town of Vinton is assigned a waste load allocation.

Responsible Party: The Town's Planning and Zoning Department, with assistance from Roanoke County's Department of Development Services and Department of Communications/Information Technology (CommIT).

Schedule: The Town will maintain an accurate MS4 map and will annually update it no later than by October 1 of each year. The Town's updates to the storm sewer system map and outfall information table will include any new outfalls constructed or TMDLs approved, or both, during the immediately preceding reporting period.

The Town will provide written notification to any downstream adjacent MS4 of any known physical interconnection established or discovered after the effective date of the current permit.

Measurable Goal: Success for this BMP will be measured by demonstrating that the Town has updated its MS4 map and outfall information table to include any new outfalls constructed or TMDLs approved or both during the immediately preceding reporting period.



Outfalls and Public-Owned BMPs (Town and Roanoke County) in the Town of Vinton, 2024

- Please see the attached MS4 map and the outfalls table. In addition, the letters and the map are in **BMP 3-1** of the Town's MS4 Program Plan, which is posted on the website at: <https://www.vintonva.gov/230/MS4-Permit>

TMDL Consistency: An updated and accurate storm drainage map identifying all of the municipal separate storm sewers and their components aids the Town in the discovery of illicit discharge connections (EC/FC) and the locations where sediment may be entering the regulated MS4 (SED).

Evaluation and Modification: The Town believes that the process of mapping the storm (sewer) drainage system is an appropriate method to aid in the enforcement, detection, and elimination of illicit discharges to the system. No modifications are planned for this BMP.

BMP 3-2. Illicit Discharge Ordinance

Illicit discharge detection, identification, and enforcement will be addressed by Town personnel as authorized under Article 3. Illicit Discharge Division 4. Inspections and Monitoring and Division 5. Enforcement and Penalties of the Stormwater Management Ordinance adopted on May 20, 2014.

Goal: The goal of this BMP is to adopt an ordinance that prohibits unauthorized non-stormwater discharges into the Town's Municipal Separate Storm Sewer System (MS4) and provides the Town with an enforcement mechanism.

Responsible Party: The Town's Planning and Zoning and Public Works Departments, in cooperation with the Town Attorney.

Schedule and Evaluation: The Town's Illicit Discharge Ordinance was adopted on May 22, 2014, and it is compliant with Virginia's stormwater regulations. Enforcement measures and penalties are included in the Illicit Discharge Ordinance. The Town will update the ordinance, as necessary, to maintain the effectiveness of the program.

Measurable Goals: Success of this BMP will be measured by the continued compliance of the Town's Illicit Discharge Ordinance with the MS4 General Permit. The Town's Illicit Discharge Ordinance is available on Town's website via the link below:

[Chapter 79 - STORMWATER MANAGEMENT | Code of Ordinances | Vinton, VA | Municode Library](#)

TMDL Consistency: An Illicit Discharge Ordinance aids in the enforcement of illicit discharges to the MS4 system. This legal mechanism aids the Town in eliminating illicit connections and discouraging a wide variety of illicit discharges to the MS4 system (EC, and SED).

Evaluation and Modification: The Town finds that the Illicit Discharge Ordinance is an effective tool for use in dissuading its citizens from illegally discharging into the MS4. No modifications are planned for this BMP.

BMP 3-3. Illicit Discharge Detection and Elimination (IDDE) Program

Goal: The goal of this BMP is to detect, identify, and eliminate non-stormwater discharges and illegal dumping into the Town's MS4. The Town plans to improve its illicit discharge detection and elimination (IDDE) procedures and processes by June 2023, as follows:

- a. A description of the legal authorities, policies, standard operating procedures or other legal mechanisms available to the Town to eliminate identified sources of ongoing illicit discharges including procedures for using legal enforcement authorities.
- b. A timeframe upon which to investigate, identify, and locate the source of any observed unauthorized non-stormwater discharge. Priority of investigations shall be given to discharges of sanitary sewage and those believed to be a risk to human health and public safety. Per the MS4 permit, discharges authorized under a separate VPDES or state permit require no further action.
- c. Methodologies to determine the source of all illicit discharges. If the Town is unable to identify the source of an illicit discharge within six months of beginning the investigation, then staff will document that the source remains unidentified. If the observed discharge is intermittent, staff will document that attempts to observe the discharge flowing were unsuccessful.
- d. Methodologies for conducting a follow-up investigation for illicit discharges that are continuous or that the Town expects to occur more frequently than a one-time discharge to verify that the discharge has been eliminated except as provided for in Part I E 3 c (4);
- e. A mechanism to track all illicit discharge investigations to document the following:
 - The dates that the illicit discharge was initially observed, reported, or both;
 - The results of the investigation, including the source, if identified;
 - Any follow-up to the investigation;
 - Resolution of the investigation; and
 - The date that the investigation was closed.

Responsible Party: The Planning and Zoning in cooperation with Public Works Department.

Schedule: The Town will maintain written procedures for and implements an investigation program to respond to potential illicit discharges into its MS4. To enhance the effectiveness of the existing program, the Town plans to enhance these procedures in Permit Year 5 by adding a water testing protocol for sites where flow is observed.

Measurable Goals: Success for this BMP will be measured by compliance with the written procedures and documentation of the complaints received/investigated and closed. The Town utilizes its website to educate its citizens on the issues pertaining to the stormwater runoff including illicit discharges reporting, via the link below:

[Stormwater Quality Information | Vinton, VA - Official Website \(vintonva.gov\)](https://www.vintonva.gov/stormwater-quality-information)

- Citizens can report any concerns including stormwater runoff and/or storm drain complaint through the Town's website via the following link below:
[Citizen Portal \(iworq.net\)](https://www.vintonva.gov/citizen-portal)

In this Permit Year, the Town received two(2) stormwater-related complaint through its "iWorQ" web form. The complaints were pertaining to the presence of excessive feces on sidewalks that were near storm drains. One complaint was received February 10, 2024 and the other March 22, 2024 both aimed at the Cedar Avenue community. Town personnel drafted and sent out 51 letters to the neighborhood residences on March 25, 2024. Each letter also included a copy of "Its your Doodie" Brochure. A copy of this brochure can be found on the Town's website: [Publications & Resources | Vinton, VA - Official Website \(vintonva.gov\)](https://www.vintonva.gov/publications-resources).

As part of the illicit discharge procedure, these complaints were addressed by staff and/or forwarded to the proper agency for resolution (i.e., Town's Public Works Department, Roanoke County Stormwater Program Manager and/or Roanoke County Building and Office Safety, etc.).

iWorQ



The screenshot shows the 'Submit A Violation' page on the Town of Vinton website. At the top, there is a header with the Town of Vinton logo and contact information: 311 S. Poland Street, Vinton, VA 24657, Phone (540) 969-0900, Fax (540) 969-0901. The main content area has a yellow banner that says 'Submit A Violation'. Below this, there is a section titled 'CLICK HERE to Submit a Complaint' with a blue button icon. To the right, there is a text box that says 'Submit a complaint for a public nuisance that needs to be addressed by Code Enforcement.' Below this, there is a list of 'Example Nuisances to Submit': Tail Grass, Abandoned Vehicle, and Unsafe Structure. At the bottom, there is a note: 'When searching for a property on the application, please start with ONLY the street number or ONLY the street name.' On the right side of the form, there are three numbered steps: 1. Click on the icon to begin, 2. Fill out all applicable fields and attach an image, and 3. Click Submit to send the complaint to the Town.

- Citizens can report an illicit discharge through the Town's website via the link below:
[Illicit-Discharge-Reporting-Form-Stormwater \(vintonva.gov\)](https://www.vintonva.gov/illicit-discharge-reporting-form-stormwater)

A list of illicit discharges to the MS4 including spills reaching the MS4 with information as follows:

- The source of illicit discharge.
- The dates that the discharge was observed, reported, or both.
- Whether the discharge was discovered by Town's personnel during dry weather screening, reported by the public, or other method (describe).
- How the investigation was resolved.
- A description of any follow-up activities.
- The date the investigation was closed.

| Permit Year | Number of Illicit Discharge Complaints Received/Investigated | Number of Closed Investigations |
|----------------------|--|---------------------------------|
| 2023 - 2024 (Year 1) | 0 | 0 |

TMDL Consistency: Identifying and eliminating illicit discharges to the MS4 system helps to minimize the entry of pollutants into local receiving waters (EC and SED).

Evaluation and Modification: This BMP was strengthened by adding a water testing protocol, which allows staff to conduct field sampling/testing of stormwater to determine if more rigorous laboratory analysis is needed. The Town believes that this BMP provides a valuable strategy to detect, identify, and eliminate non-stormwater discharges and illegal dumping into the Town's Municipal Separate Storm Sewer System (MS4). No further modifications are planned.

BMP 3-4. Dry Weather Screening

As of June 30, 2023, based on field inspections, the Town has a total of 64 outfalls discharging to TMDL streams of Roanoke River, Tinker Creek, and Glade Creek. Currently, dry weather screenings are performed by the Town's Planning and Zoning, and Public Works Departments' personnel during the regular maintenance of these outfalls.

Goal: The goal of this BMP is to inspect storm drain outfalls to detect illicit discharges during dry weather (i.e., when the storm drainage system would normally be dry) so that actions may be taken to eliminate them.

The Town maintains dry weather field screening protocols to detect, identify, and eliminate illicit discharges to the MS4. The protocol includes:

- a. A prioritized schedule of field screening activities and rationale for prioritization determined by the Town based on such criteria as age of the infrastructure, land use, historical illegal discharges, dumping or cross connections.
- b. A schedule to screen a minimum of 50 outfalls annually such that no more than 50% are screened in the previous 12-month period. The 50% criteria is not applicable if all outfalls have been screened in the previous three years.
- c. A checklist or mechanism to track the following information for dry weather screening events:
 - The unique identifier for the outfall or observation point.
 - Time since the last precipitation event.
 - The estimated quantity of the last precipitation event.
 - Site descriptions (e.g., conveyance type and dominant watershed land uses).
 - Observed indicators of possible illicit discharge events, such as floatables, deposits, stains, and vegetative conditions (e.g., dying or dead vegetation, excessive vegetative growth)
 - Whether or not a discharge was observed.
 - If a discharge was observed, the estimated discharge rate and visual characteristics of the discharge (e.g., odor, color, clarity) and the physical condition of the outfall.
 - For observation points, the location, downstream outfall unique identifier, and risk factors or rationale for establishing the observation point.

NOTE: The MS4 Permit allows for the adoption of a risk-based approach to dry weather screening identifying observation points based upon illicit discharge risks upstream of an outfall. Should the Town opt to implement such a program in the future, observation points may include points of interconnection, manholes, points of discharge, conveyances, or inlets suspected to have a high likelihood of receiving illicit discharges.

Responsible Party: The Planning and Zoning and Public Works Departments.

Schedule: The Town implements an annual outfall inspection program to detect and locate the source of dry weather illicit discharges that enter its MS4. To increase the effectiveness of the existing program, the Town enhanced its procedures in Permit Year 5 2022-2023 by adding a water testing protocol for sites where flow is observed. The new procedures are included on the attachment.

Measurable Goals: For Year 1 reporting, Town personnel performed field inspections of the outfalls that were mapped. Based on these field inspections, the success for this BMP is measured by field screening of the 50 outfalls that drain to an impaired waterway and within 1/10th of a mile from the nearest receiving water, on an annual basis and documenting the results of these inspections.

Due to staff turnover and the urgent need of repairs to the existing drainage systems, Public Works staff were not able to inspect 50 outfalls during this Permit Year. The number of outfalls inspected as shown below corresponds to the emergency drainage repairs that were undertaken during the Permit Year.

| Permit Year | Number Outfalls Inspected | Number of Illicit Discharges Found |
|-----------------------|---------------------------|------------------------------------|
| *2023 – 2024 (Year 1) | 4 | 0 |

*NOTE: Staff Turnover and Needed Major Repair to Existing Drainage Systems.

TMDL Consistency: Dry Weather Screening of outfalls aids in the location, identification, and elimination of illicit discharges to the MS4. This method provides staff with the methodology needed to screen, target, and monitor the storm drain system in an effort to discover existing illegal discharges and illegal connections to the MS4 (EC and SED).

Evaluation and Modification: The Town believes that Dry Weather Screening is a critical component in the detection and elimination of illicit discharges and illicit connections to its storm sewer system. The Town will continue inspecting outfalls. As noted above, a new testing protocol was implemented this permit year as an enhancement to the existing program.

MCM 4: CONSTRUCTION SITE STORMWATER RUNOFF AND EROSION AND SEDIMENT CONTROL

*** The implementation of this MCM and its associated BMPs is the responsibility of Roanoke County Department of Development Services in cooperation with the Town of Vinton Planning and Zoning Department.**

The Town works cooperatively with Roanoke County in this measure since the County's is the Town's Erosion Sediment Control (ESC) Administrator beginning February 14, 1984. On April 5, 2016, a resolution was adopted by the Vinton Town Council for the establishment of a Memorandum of Understanding (MOU) agreement between the County of Roanoke Board of Supervisors and the Vinton Town Council for the County to continue to administer the Virginia Erosion and Sediment Control Program (VESCP) and to administer the Virginia Stormwater Management Program (VSMP) for the Town of Vinton.

On September 17, 2024, Vinton Town Council adopted Ordinance No. 1060 – an ordinance to adopt Roanoke County's consolidated Erosion and Stormwater Management (ESM) Program which shall be applicable within the Corporate Limits of the Town of Vinton and designating Roanoke County as the Virginia Erosion and Stormwater Management Program (VESMP) Authority within the Corporate Limits of the Town. Additionally, on September 17, 2024, Resolution No. 2612, was also adopted by Vinton Town Council authorizing the Town Manager to enter a Memorandum of Understanding (MOU), on behalf of the Town, with Roanoke County for the County to act as the Virginia Erosion and Stormwater Management Program (VESMP) Authority for the Town of Vinton.

The Town and County recognize that construction sites can deposit significant amounts of silt and sediment in stormwater runoff due to large areas of land disturbances.

The goal of this minimum control measure is to reduce pollutants that may enter the MS4 via stormwater runoff from construction activities. To accomplish this, the County implements the Virginia Erosion and Stormwater Management Program (VESMP).

The BMPs that will be used by Roanoke County and supported by the Town of Vinton to satisfy this MCM are listed below:

BMP 4-1: Legal Authorities

Roanoke County utilizes its legal authority, such as ordinances, permits, orders, specific contract language, and interjurisdictional agreements, to ensure compliance with the MS4 Permit for erosion and sediment control and construction site stormwater runoff control.

BMP 4-2: Site Plan Review

Roanoke County conducts plan reviews for proposed construction projects to ensure compliance with the Virginia Erosion and Stormwater Management Program (VESMP) requirements, ensuring proper erosion and sediment controls and stormwater management devices, including their maintenance provisions, are shown on the plan.

BMP 4-3: Site Inspections

Roanoke County maintains and implements written inspection procedures to ensure compliance with the Virginia Erosion and Stormwater Management Program (VESMP) requirements and to ensure that onsite erosion and sediment controls are properly implemented and maintained. The County also requires implementation of appropriate controls to prevent non-stormwater discharges to the MS4, such as wastewater, concrete washout, fuels and oils, and other illicit discharges.

BMP 4-4: Compliance and Enforcement

Roanoke County maintains and implements written procedures for VESMP compliance and enforcement regarding construction site stormwater runoff requirements.

BMP 4-5: Employee and Contractor Certifications

Roanoke County ensures that employees and contractors serving as plan reviewers, inspectors, program administrators, and construction site operators obtain the appropriate certifications as required under the Virginia Erosion and Stormwater Management Program (VESMP).

Town's Planning and Zoning Department continues to work cooperatively with Roanoke County's Department of Development Services in this measure. Any new development, re-development, and/or addition meeting certain criteria will require site plans be submitted for review and approval as stated in the County's and Town's codes. The site and/or Erosion and Sediment Control plans must be submitted to the Town's Planning and Zoning Department and Roanoke County's Department of Development Services.

As provided by Roanoke County Stormwater Program Manager, this report provides a detailed description of the goals of each BMP, the status of the County's compliance with each BMP, and an evaluation of the BMP and any proposed modifications needed to better achieve the overall MS4 Program goals. In addition, the strategies to ensure consistency with local TMDLs are also provided, and they are broken down by impairment type: *Escherichia coli* (*E. coli*) bacteria (EC), sediment (SED), or Polychlorinated biphenyls (PCBs).

BMP 4-1. Legal Authorities

Goal: The goal of this BMP is for the County to describe and utilize its legal authorities, such as ordinances, permits, orders, specific contract language, policies, and interjurisdictional agreements, to ensure compliance with Part I.E.4.a. of the MS4 Permit for erosion and sediment control and construction site stormwater runoff control.

The County uses the following legal authorities:

- **Erosion and Stormwater Management (ESM) Ordinance** – The ESM ordinance was adopted by Roanoke County Board of Supervisors on July 9, 2024, and became effective on August 1, 2024. The ordinance integrated the County of Roanoke’s stormwater management (SWM) requirements with its erosion and sediment control (ESC) requirements to establish a consolidated program consistent with the Virginia Erosion and Stormwater Management Program (VESMP). The purpose of this ordinance is to ensure the general health, safety, and welfare of its citizens to protect the quality and quantity of state waters from the potential harm of unmanaged stormwater and soil erosion, including protection from land disturbing activities causing unreasonable degradation of properties, water quality, stream channels, steep slopes, and other natural resources, and to establish procedures whereby stormwater requirements related to water quality and quantity shall be administered and enforced.

On September 17, 2024, the Vinton Town adopted Roanoke County’s ESM ordinance, as amended by reference, and adopted a resolution to enter a Memorandum of Understanding for Roanoke County to be the Town’s Virginia Erosion and Stormwater Management Program (VESMP) Authority.

- The ordinance requires ESC controls for all regulated land disturbances of 2,500 square feet or more and an engineered ESC Plan for any land disturbance greater than 10,000 square feet. The ESC Plan must provide for the implementation of appropriate erosion and sediment controls, to include their proper placement, design, and maintenance requirements. The ordinance includes site inspection and compliance/enforcement procedures for erosion and sediment control.
 - The ordinance requires a SWM plan or an Agreement-in-lieu-of a Stormwater Management Plan for all regulated construction activities that disturb 1 acre or greater. The ordinance includes site inspection and compliance/enforcement procedures for active construction and post-construction stormwater management facilities.
- **Erosion and Sediment Control (ESC) Permit** – authorizes commencement of land disturbing activities within the Town Limits, for which an approved ESC Plan or Agreement-in-lieu-of an ESC Plan have been approved by the County as the Town’s ESC Administrator.

- **Agreement-in-lieu-of an Erosion and Sediment Control Plan** – requires compliance with the minimum control measures, as listed in the Virginia Erosion and Sediment Control Regulations (9VAC25-840), for projects that disturb less than 10,000 square feet.
- **Virginia Stormwater Management Program (VSMP) Permit** – issued by the County for projects that are located within Roanoke County and the Town of Vinton, that will cause one acre or more of land disturbance, and for which there is a County-approved stormwater management plan.
- **Agreement-in-lieu-of a Stormwater Management Plan** – requires compliance with certain stormwater management control strategies and is only applicable for the construction of single-family homes.
- **VSMP Approval Letter from the Virginia DEQ** – provides Roanoke County with coverage under the General Permit for Discharges of Stormwater from Small Municipal Separate Storm Sewer Systems General Permit Number VAR040022 and the Town of Vinton with coverage under the General Permit for Discharges of Stormwater from Small Municipal Separate Storm Sewer Systems General Permit Number VAR040026.
- **Letter from DEQ Approving Alternative Inspection Program (ESC)** – authorizes Roanoke County to conduct an alternative inspection program for ESC.
- **Stormwater Management Design Manual** – provides design guidelines for regulated land-disturbing projects to ensure their compliance with the VSMP requirements.

Responsible Party: Roanoke County Department of Development Services implements the County’s Erosion and Sediment Control and Stormwater Management programs for the County of Roanoke and Town of Vinton, which includes conducting plan reviews, site inspections, compliance/enforcement activities, and project permitting.

Roanoke County Attorney’s office provides support to the Department Development Services during compliance/enforcement actions, as necessary.

Schedule: Roanoke County implements an ESM ordinance to comply with Virginia’s Erosion and Stormwater Management (VESM) Regulation (9VAC25-875). The County will update its ordinance and supporting documents, as needed, to remain consistent with the state program. The ordinance may be accessed here:

<https://www.roanokecountyva.gov/DocumentCenter/View/29575/070924-3-E1-Ordinance---Amending-Ch-81-Repeal-Ch-23-Create-Consolidated-Erosion-and-Stormwater-Mgmt-Program?bidId=>

Measurable Goals: Success for this BMP will be measured by the annual evaluation of the ESM ordinance, coordinating updates to the supporting documents, and the continued compliance of the ordinance with the VESMP.

- The aforementioned documents are in the MS4 Program Plan and can be accessed on the County's website at <https://www.roanokecountyva.gov/DocumentCenter/Index/2166>

TMDL Consistency: The Erosion and Stormwater Management (ESM) Ordinance targets the reduction of sediment and other pollutants in stormwater runoff from construction sites. It requires the installation of onsite control measures to ensure compliance under local law. (SED)

Evaluation and Modification: Town of Vinton and Roanoke County believe that the ESM ordinance is a critical component to aid in reducing sediment and other pollutants carried by stormwater runoff from construction activities into the MS4. No modifications are planned for this BMP.

BMP 4-2. Site Plan Review

Goal: The goal of this BMP is to conduct plan reviews for proposed construction projects to ensure their compliance with the Virginia Erosion and Stormwater Management Program (VESMP) requirements, ensuring proper erosion and sediment controls and stormwater management devices, including their maintenance provisions, are shown on the plan.

Responsible Party: The Town's Planning and Zoning Department in cooperation with Roanoke County's Department of Development Services.

Schedule: Roanoke County reviews construction plans to ensure their compliance with the Virginia Erosion and Stormwater Management Program (VESMP) requirements. The County will update its land development procedures and other supporting documents, as needed, to remain consistent with the state program.

Measurable Goals: Success for this BMP will be measured by the Town's/County's annual evaluation of the land development procedures and other supporting documents and its documentation of the number of plans approved within the reporting period.

- The Town agrees with the County's statement "Roanoke County finds its land development procedures and other supporting documents to be effective. No changes are currently proposed."
- Any construction and/or land disturbance activities within the Town Limits will require the issuance of a Town's zoning permit through the Town Planning and Zoning Department since the Town has a separate zoning law. The Town Planning and Zoning Department is informed by the County Department of Development Services when an applicant applied for a building permit which will involve ESC plan reviews by the County, through Roanoke County instead of coming to the Town Planning and Zoning Department. Additionally, the Planning and Zoning Department keeps track of the building permits issued by the County Department of Development Services the County's Citywork's application.



Roanoke County Staff reviewed 58 plans including the Town of Vinton in Permit Year 1 (2023-2024)

| Permit Year | # of ESC Plan Reviews | # of VSMP Plan Reviews | # of Agreement-in-lieu-of ESC Plans | # of Agreement-in-lieu-of SWM Plans |
|----------------------|--|---|---|-------------------------------------|
| 2023-2024 (Year One) | 23 SFR 0 TOV; 23 RoCo 12 Commercial 3 TOV; 9 RoCo | 2 SFR 0 TOV; 2 RoCo 21 Commercial 2 TOV; 19 RoCo | 88 SFR 3 TOV; 85 RoCo 38 Commercial 5 TOV; 33 RoCo | 24 SFR 0 TOV; 24 RoCo |

Note: TOV – Town of Vinton RoCo – Roanoke County
SFR – Single-Family Residential

Town of Vinton Zoning Permit Issued by the Town of Vinton and Building Permits Issued/ESC Plan Reviewed by Roanoke County for Year 1 Reporting Period
July 1, 2023 – June 30, 2024

| Installation Date | Owner/Contractor | Address | Description | |
|-------------------|--|--------------------------|--|--|
| | | | Commercial | Residential |
| 10-Jul-23 | TOV-Glade Creek Greenway/Holt Inc. | 350 Highland Road | install fall shelter protection under NS overpass for Glade Creek Greenway | X |
| 28-Jul-23 | Marville+Claudia Johnson | 309 Elm Street | X | build 300 sq.ft. detached deck+add gazebo on top |
| 31-Jul-23 | Keith+Susan Johnson | 1519 South Pacific Drive | X | 40' X 5.5' front porch addition |
| 8-Aug-23 | P.Wilson/Blue Ridge Restoration+Construction | 979 Norbourne Avenue | X | 10' X 20' deck w/roof and 10' X 10' screened porch |
| 2-Oct-23 | Dale+Drema Barlow/Town+County Renovations | 1270 Ruddell Road | X | 96 sq.ft. deck with 80 sq.ft. access ramp |
| 4-Oct-23 | Angel+Kelli Brown | 304 Elm Street | X | 20' X 20' detached carport |

| | | | | |
|-----------|--------------------------------------|-------------------------|-------------------------------------|--|
| 10-Oct-23 | Holmgren/Mason Co.of VA Inc. | 226 Lynn Haven Circle | X | 12' X 20' covered patio |
| 2-Nov-23 | Jason+Nicole Boothe | 984 Lauderdale Avenue | X | install in-ground vinyl lined pool |
| 17-Nov-23 | WCB Ltd. | 1633 Meadows Road | X | new SFR 53' X 50' on slab |
| 6-Dec-23 | McClung/Bowman Excavating Inc. | 7 Walnut Avenue | retaining wall per plans 2.95' tall | X |
| 29-Dec-23 | Terry Lee Gordon | 510 E. Jackson Avenue | X | 30' X 70' new SFR with 24' X 30' garage |
| 23-Jan-24 | Terry Lee Gordon | 510 E. Jackson Avenue | X | retaining wall up to 5' in height+120 ft. long |
| 9-Feb-24 | Brandon Bodine/Alouf Custom Builders | 1245 Hardy Road | X | new single-family house |
| 28-Feb-24 | Chandler Knight/C.B.Smith Const.Inc. | 1708 Meadows Road | X | replace deck with 12' X 12' (144 sq.ft.) deck |
| 13-Mar-24 | Lawrence Harris | 1005 S. Pollard Street | X | 16' X 10' rear deck+4' X 3' covered side porch |
| 11-Apr-24 | Cmart Holdings LLC/Noah Construction | 528 E. Cleveland Avenue | convert into 7 apts. + 1 offices | X |
| 12-Apr-24 | C.G. Chewning Jr. | 1819 Meadows Court | X | 24' X 25' detached garage |
| 7-May-24 | Saunders/TAS Design | 648 Ramada Road | X | 18' X 20' prefab metal garage |
| 16-May-24 | Michelle Scott | 1744 Meadows Road | X | repl.front porch w/ 8' X 8';repl.back deck w/12' X6' to inc.wood patio 14' X 16' |

| | | | | |
|-----------|-------------------------|-----------------------|---|---------------------------------------|
| 23-May-24 | Smith+Fernatt/C.Smith | 220 W. Augusta Avenue | X | above ground pool 16' X 48" |
| 11-Jun-24 | Gibson/APH Holdings LLC | 431 Bush Drive | X | 20' X 34' rectangle in-ground pool |

TMDL Consistency: Conducting plan reviews for ESC and VSMP compliance helps to ensure that active construction projects minimize sediment and other pollutants in their stormwater runoff. Both ordinances require the installation of onsite control measures to control pollutants. (SED)

Evaluation and Modification: The Town of Vinton/Roanoke County believe that ESC and VSMP plan reviews are critical components to aid in reducing sediment and other pollutants carried by stormwater runoff from construction activities into its MS4. No modifications are planned for this BMP.

BMP 4-3. Site Inspections

Goal: The goal of this BMP is to maintain and implement written inspection procedures to ensure compliance with the Virginia Erosion and Stormwater Management Program (VESMP) requirements and to ensure that onsite erosion and sediment controls are properly implemented and maintained.

Further, Roanoke County will require implementation of appropriate controls to prevent nonstormwater discharges to the MS4, such as wastewater, concrete washout, fuels and oils, and other illicit discharges identified during land disturbing activity inspections. Non-stormwater discharges through the MS4, other than those identified in 9VAC25-890-20 D, are NOT authorized by the MS4 Permit.

Responsible Party: The Town's Planning and Zoning Department in cooperation with Roanoke County's Department of Development Services since the County is the Town's Erosion Sediment Control (ESC) Administrator beginning February 14, 1984.

On April 5, 2016, through a resolution, a Memorandum of Understanding (MOU) agreement was entered between the County of Roanoke Board of Supervisors and the Vinton Town Council for the County to continue to administer the Virginia Erosion and Sediment Control Program (VЕСP) and to administer the Virginia Stormwater Management Program (VSMP) for the Town of Vinton

On September 17, 2024, the Vinton Town adopted Roanoke County's ESM ordinance and adopted a resolution to enter a Memorandum of Understanding for Roanoke County to be the Town's Virginia Erosion and Stormwater Management Program (VESMP) Authority.

Schedule: Roanoke County maintains and implements site inspection procedures to comply with the VЕСP. The County will update these procedures and supporting documents, as necessary, to remain consistent with the program, as they relate to construction site stormwater runoff. In addition, the County conducts inspections pursuant to its Alternate Inspection Schedule, as approved by DEQ.

Measurable Goals: Success for this BMP will be measured by the annual evaluation of the written VЕСP site inspection procedures and the number of inspections conducted.

| Permit Year | Total Number of ESC Inspections | Total # of VSMP Inspections |
|-------------------|---|---|
| (1) – 2023 - 2024 | 1,547 SFR 46 TOV; 1,501 RoCo 834 Commercial 25 TOV; 809 RoCo | 109 SFR 2 Tov; 107 RoCo 107 Commercial 3 TOV; 104 RoCo |

Note: TOV – Town of Vinton RoCo – Roanoke County
SFR – Single-Family Residential

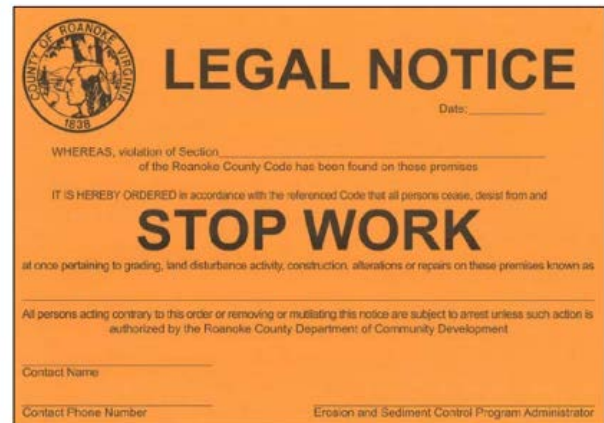
TMDL Consistency: Conducting ESC and VSMP site inspections of construction activities helps to ensure that the required controls, as shown on the approved plan, are implemented and properly maintained in the field; such controls help reduce sediment in stormwater runoff from construction sites. (SED)

Evaluation and Modification: Town of Vinton and Roanoke County believe that conducting ESC and VSMP site inspections against written procedures and approved plans helps to reduce sediment and pollutants in stormwater runoff during land-disturbing activities. No modifications are planned for this BMP.

BMP 4-4. Compliance and Enforcement

Goal: The goal of this BMP is to maintain and implement written procedures for requiring compliance on active construction sites through corrective action or enforcement action in accordance with the Virginia Erosion and Stormwater Management Program (VESMP) requirements.

Responsible Party: The Town's Planning and Zoning Department in cooperation with the County's Department of Development Services.



- Roanoke County's Department of Development Services has the overall responsibility to implement the County's Erosion and Stormwater Management (ESM) program to assure compliance with the VESMP, which includes conducting plan reviews, site inspections, compliance/enforcement activities, and project permitting.
- The County Attorney's office provides support to the County's Department of Development Services during compliance/enforcement actions, as necessary.

Schedule: Roanoke County implements compliance and enforcement procedures to assure compliance with the VESMP on active construction sites. The County will revise its written compliance/enforcement procedures, as needed.

Measurable Goals: Success for this BMP will be measured by the annual evaluation of the VESMP compliance/enforcement procedures and documentation of the total number and type of compliance/enforcement actions implemented.

- The Town finds Roanoke County's written VESMP compliance and enforcement procedures and other supporting documents to be effective. With the recent consolidation of the erosion and sediment control programs, no further changes are currently proposed.
- A summary of the County's enforcement actions taken for this reporting period, including the number and type of enforcement actions, is shown below; and the supporting data is included on Roanoke County's MS4 compact disk under the folder titled **BMP 4-4**.

| Year | # of ENFORCEMENT ACTIONS | | | |
|-----------------|--------------------------|-----------------------|------------------------------------|-------------------------|
| | Notice to Comply (NTC) | Stop Work Order (SWO) | Notice of Permit Requirement (NOP) | Civil Penalty (Summons) |
| (1) 2023 - 2024 | 26 24 RoCo, 2 TOV | 23 23 RoCo, 0 TOV | 3 3 RoCo, 0 TOV | 1 1 RoCo, 0 TOV |

NOTE:

TOV – Town of Vinton RoCo – Roanoke County

TMDL Consistency: Conducting ESC and VSMP compliance and enforcement activities helps to ensure that active construction projects minimize sediment and other pollutants in their stormwater runoff. (SED)

Evaluation and Modification: Town of Vinton and Roanoke County believe that ESC and VSMP compliance and enforcement activities are critical components to aid in reducing sediment and other pollutants carried by stormwater runoff from construction activities into its MS4. No modifications are planned for this BMP.

BMP 4-5. Employee and Contractor Certification (Revised)

Goal: The goal of this BMP is to ensure that employees and contractors serving as plan reviewers, inspectors, program administrators, and construction site operators shall obtain the appropriate certifications as required under the Virginia Erosion and Stormwater Management Program (VESMP).

In addition, employees who oversee the performance of regulated land disturbance activities conducted by the County will have the qualifications to properly implement erosion and sediment control measures and will be DEQ-certified as Responsible Land Disturbers in accordance with the VESMP.

Responsible Party: The Town's Planning and Zoning Department in cooperation with Roanoke County's Department of Development Services.

Schedule: Roanoke County requires employees and contractors serving as plan reviewers, inspectors, program administrators, and construction site operators to obtain the appropriate certifications as required under the VESMP. Employees who oversee the performance of regulated land disturbance activities conducted by the County will be DEQ-certified as Responsible Land Disturbers.

Measurable Goals: Success for this BMP will be measured by maintenance of the Responsible Land Disturber certification for the applicable employees and by maintenance of pertinent certifications for employees and contractors serving as plan reviewers, inspectors, program administrators, and construction site operators. For other staff certifications, see Roanoke County's folder in the Appendix titled BMP 4-5.

| ROANOKE COUNTY's EMPLOYEE | CERTIFICATION | CERTIFICATION # | EXPIRATION DATE |
|--|----------------------|------------------------|----------------------------|
| Jeff Altice | RLD | 39411 | 4-28-2025 |

TMDL Consistency: Requiring employees that have responsibility to oversee the performance of regulated land disturbance activities to have the qualifications to properly implement erosion and sediment control measures helps to minimize the amount of sediment that leaves the construction site and thereby minimizes the potential of sedimentation in receiving waters. (SED)

Evaluation and Modification: Roanoke County will continue to require the applicable personnel to hold the proper RLD certification. No modifications are planned for this BMP.

MCM 5: POST-CONSTRUCTION STORMWATER MANAGEMENT IN NEW DEVELOPMENT AND DEVELOPMENT ON PRIOR-DEVELOPED LANDS

*** The implementation of this MCM and its associated BMPs is the responsibility of Roanoke County Department of Development Services in conjunction with the Town of Vinton Planning and Zoning Department.**

The Town of Vinton and Roanoke County recognize that addressing water quality in post construction runoff is an important way to prevent deposition of sediment and other pollutants into our streams and river. The County became the Town's VSMP administrator as of June 1, 2016, with the approval of the State Water Control Board, as indicated in the DEQ correspondence dated, May 27, 2016.

On September 17, 2024, Vinton Town Council adopted Ordinance No. 1060 – an ordinance to adopt Roanoke County's consolidated Erosion and Stormwater Management (ESM) Program which shall be applicable within the Corporate Limits of the Town of Vinton and designating Roanoke County as the Virginia Erosion and Stormwater Management Program (VESMP) Authority within the Corporate Limits of the Town. Additionally, on September 17, 2024, Resolution No. 2612, was also adopted by Vinton Town Council authorizing the Town Manager to enter a Memorandum of Understanding (MOU), on behalf of the Town, with Roanoke County for the County to act as the Virginia Erosion and Stormwater Management Program (VESMP) Authority for the Town of Vinton.

The programs that have been established by the County and supported by the Town to meet this MCM measure are listed below, as amended to correspond with the County's BMPs.

The goal of this minimum control measure is to address post-construction stormwater runoff that enters the Town's MS4 by implementing a post-construction stormwater runoff management program, which includes maintenance and inspection requirements, to comply with the Virginia Erosion and Stormwater Management Program (VESMP). The BMPs that will be used to satisfy this minimum control measure are listed below:

BMP 5-1: Stormwater Management Legal Authorities

Roanoke County utilizes certain legal authorities to comply with Virginia's Erosion and Stormwater Management Program (VESMP) Regulations.

BMP 5-2: Inspections for Post-Construction Stormwater Management Facilities

Roanoke County maintains and implements written inspection and maintenance procedures for post-construction stormwater management facilities (SWMFs) that discharge to the MS4 (both public and private) to ensure their adequate long-term operation and maintenance pursuant to the VESMP requirements.

BMP 5-3: Stormwater Management Facility Tracking

Roanoke County maintains and implements an electronic database or spreadsheet of all known County-owned and privately-owned stormwater management facilities that discharge into the MS4.

BMP 5-4: Strategies to Encourage Long-Term Maintenance of Stormwater Control Measures on Single Family Residential Lots

Roanoke County implements strategies to promote the long-term maintenance of stormwater control measures that are designed to treat stormwater runoff solely from the individual single family residential lot. These strategies are used in lieu of recorded maintenance agreements and post-construction inspections by the County.

BMP 5-5. Storm Sewer System Maintenance

Town of Vinton implements a program to maintain and repair its storm sewer system within its MS4 program area. Such maintenance helps to keep the system working as designed, which minimizes the risk of surcharging and overflows; it also helps to minimize street flooding associated with clogged inlet structures and conveyances.

This report as provided by Roanoke County Stormwater Program Manager provides a detailed description of the goals of each BMP, the status of the Town of Vinton's/Roanoke County's compliance with each BMP, and an evaluation of the BMP and any proposed modifications needed to better achieve the overall MS4s Program goals. In addition, the strategies to ensure consistency with local TMDLs are also provided, and they are broken down by impairment type: *Escherichia coli* (*E. coli*) bacteria (EC), sediment (SED), or Polychlorinated biphenyls (PCBs). The Polychlorinated biphenyls (PCBs) TMDL is only applicable to Roanoke County.

BMP 5-1. Stormwater Management Legal Authorities

Goal: The goal of this BMP is to maintain and use certain legal authorities to comply with Virginia's Stormwater Management Act and Stormwater Management Program (VSMP) Regulations, as it relates to post-construction stormwater management facilities. The County uses the following legal authorities:

- **Roanoke County's Erosion and Stormwater Management (ESM) Ordinance was adopted on July 9, 2024 and became effective on August 1, 2024.** The ordinance integrated the County of Roanoke's stormwater management (SWM) requirements with its erosion and sediment control (ESC) requirements to establish a consolidated program consistent with the Virginia Erosion and Stormwater Management Program (VESMP). The purpose of this ordinance is to ensure the general health, safety, and welfare of its citizens to protect the quality and quantity of state waters from the potential harm of unmanaged stormwater and soil erosion, including protection from land disturbing activities causing unreasonable degradation of properties, water quality, stream channels, steep slopes, and other natural resources, and to establish procedures whereby stormwater requirements related to water quality and quantity shall be administered and enforced.
 - The ordinance requires ESC controls for all regulated land disturbances of 2,500 square feet or more and an engineered ESC Plan for any land disturbance greater than 10,000 square feet. The ESC Plan must provide for the implementation of appropriate erosion and sediment controls, to include their proper placement, design, and maintenance requirements. The ordinance includes site inspection and compliance/enforcement procedures for erosion and sediment control.
 - The ordinance requires a SWM plan or an Agreement-in-lieu-of a Stormwater Management Plan for all regulated construction activities that disturb 1 acre or greater. The ordinance includes site inspection and compliance/enforcement procedures for active construction and post-construction stormwater management facilities

Responsible Party: The Town's Planning and Zoning Department in cooperation with Roanoke County's Stormwater Program Manager of the Department of Development Services.

- Roanoke County Department of Development Services has the overall responsibility to implement the County's SWM Ordinance.
- The County Attorney's office provides support to the County's Department of Development Services during compliance/enforcement actions, as necessary.

Schedule: Roanoke County implements an ESM Ordinance to comply with the Virginia Erosion and Stormwater Management Program (VESMP). The County will update this ordinance and the supporting documents, as necessary, to remain consistent with the VESMP.

Measurable Goals: Success for this BMP will be measured by an annual evaluation of the ESM Ordinance.

- Roanoke County in partnership with the Town of Vinton has retired its Stormwater Management and Erosion and Sediment Control Ordinances and replace them with the new consolidated Erosion and Stormwater Management Ordinance, which became effective on August 1, 2024. This change was necessary to align with the recently adopted Virginia Erosion and Stormwater Management Regulation (9VAC25-875), which became effective July 1, 2024.
- Roanoke County's new ESM Ordinance is posted on the County's website at: [070924-3-E1-Ordinance---Amending-Ch-81-Repeal-Ch-23-Create-Consolidated-Erosion-and-Stormwater-Mgmt-Program \(roanokecountyva.gov\)](https://www.roanokecountyva.gov/070924-3-E1-Ordinance---Amending-Ch-81-Repeal-Ch-23-Create-Consolidated-Erosion-and-Stormwater-Mgmt-Program)

TMDL Consistency: The County's Erosion and Stormwater Management Ordinance requires the property owner to provide for the maintenance and repair of their stormwater structures and stormwater management facilities. This helps to ensure that such structures and facilities operate properly, which in turn helps to minimize sediment and bacteria in stormwater runoff from such facilities. (SED & EC)

Evaluation and Modification: The County's Erosion and Stormwater Management Ordinance is an effective means to achieve compliance. The ordinance provides the necessary enforcement options to ensure that property owners provide for the maintenance and repair of their stormwater structures and stormwater management facilities. Modifications are not currently planned for this BMP.

BMP 5-2. Inspections for Post-Construction Stormwater Management Facilities

Goal: The goal of this BMP is to develop and implement written inspection and maintenance procedures to provide for the long-term operation and maintenance requirements of post-construction stormwater management facilities.

Inspections will be conducted as follows:

- Town-owned and County-owned SWM facilities will be annually inspected.
 - When it is determined that maintenance is required during inspections of Town-owned, County-owned facilities, the Town's Public Works Department will conduct the maintenance in accordance with its written procedures.
- The County will inspect all privately-owned SWM facilities that discharge into the MS4 once every 5 years. In addition, the County will:
 - Assure adequate long-term operation and maintenance by the owner of the stormwater management facility by requiring the owner to develop and record a maintenance agreement, including an inspection schedule to the extent allowable under state or local law or other legal mechanism.
 - Utilize its legal authority for enforcement of the maintenance responsibilities if maintenance is neglected by the owner.
 - Implement a progressive compliance and enforcement strategy, which is included in this MS4 Program Plan.
 - The County may utilize the inspection reports provided by the owner of a stormwater management facility as part of its inspection and enforcement program.

Responsible Party: The Town Planning and Zoning Department in cooperation with Roanoke County Department of Development Services. The County's Department of Development Services, with assistance from the County Attorney's office during compliance/enforcement actions, as needed.

- Note that the Town of Vinton rely on Roanoke County's Department of Development Services to conduct inspections of the privately-owned SWM facilities and the Town-owned SWMFs.
- Note that Roanoke County Public Schools (RCPS) rely on the County's Department of Development Services to conduct inspections of school-owned SWMFs; however, RCPS conducts any required maintenance for school-owned SWMFs.
- The Town Public Works Department conducts maintenance and will be responsible for any needed repair for the Town-owned SWMFs.

Schedule: As the Town’s VESMP Authority, Roanoke County maintains and implements procedures for post-construction stormwater management facility inspection/maintenance and compliance/enforcement to comply with the Virginia Stormwater Management Act and the Stormwater Management Program Regulations. The County will update these procedures and supporting documents, as necessary, to remain consistent with Virginia’s VESMP program.

Measurable Goals: Success for this BMP will be measured by the annual evaluation of the written post-construction inspection procedures and completion of the required post-construction inspections.

- Town of Vinton/Roanoke County finds its post-construction stormwater management facility inspection/maintenance and compliance/enforcement procedures to be effective at this time. No changes are currently proposed.
- The inspection summary for this permitting year is as follows:

| Permit Year | Private SWMFs | | | Public BMPs (Owned by County or RCPS) | |
|-----------------|---------------------------|---------------------------|--------------------------|--|-----------------------------------|
| | Total # | # Inspected | # of Enforcement Actions | Total # | # Inspected |
| (1) 2023 - 2024 | 705 663 RoCo 42 TOV | 320 291 RoCo 29 TOV | 0 | 87 34 RoCo 49 RCPS 4 TOV | 87 34 RoCo 49 RCPS 4 TOV |

Note: TOV - Town of Vinton RoCo - Roanoke County RCPS - Roanoke County Public Schools

- During this permit year, Roanoke County inspected all its and the Town of Vinton public SWMFs. The Town’s Public Works personnel conducted routine maintenance and performed the needed issues as noted in the inspection reports. See Roanoke County MS4 Year One Annual Submittal folder titled BMP 5-2 on their attached compact disk for inspection results for each public facility.
- The inspection reports for each of the Town-owned BMPs are attached.
 - Vinton Public Works personnel will continue to: (1) perform any needed mowing of the stormwater management facilities; (2) maintaining the embankment to keep woody plants off of the embankment; (3) Keeping the low flow outlet clear of debris; and (4) removing the woody bushes that were growing close to the low flow outlet.

- Vinton Public Works personnel have and will continue to work on the town-owned BMPs to address the deficiencies as listed on the January 8, 2024, inspection reports.

Town of Vinton/Public-Owned Best Management Facilities (BMP)

| BMP Name | BMP Type | Date of Inspection | Status | Maintenance Needed | Remarks |
|---|-----------------|---------------------------|---------------|-----------------------------|--------------------------|
| Gladetown/Craig Avenue Recreational Center, 950 Chestnut Street | Detention Basin | 01/08/2024 | Non-Compliant | Please see attached report. | Reinspection on 12/31/24 |
| Hardy Road # 1, 1255 Hardy Road | Detention Basin | 01/08/2024 | Non-Compliant | Please see attached report. | Reinspection on 12/31/24 |
| Hardy Road # 2, 1255 Hardy Road | Detention Basin | 01/08/2024 | Non-Compliant | Please see attached report. | Reinspection on 12/31/24 |
| Vinton War Memorial, 814 Washington Avenue | Detention Basin | 01/08/2024 | Non-Compliant | Please see attached report. | Reinspection on 12/31/24 |

TMDL Consistency: This BMP ensures that all permanent stormwater management facilities (SWMFs) are adequately maintained and properly functioning, which is critical for flood protection and erosion prevention. (SED)

Evaluation and Modification: The Town and Roanoke County believe that inspecting permanent stormwater management facilities is a critical component in reducing pollutants in and reducing volume and velocity of stormwater runoff from developed sites. No modifications are planned for this BMP.

BMP 5-3. Stormwater Management Facility Tracking

As of June 1, 2016, Roanoke County became the Town's VSMP Administrator. Any new SWMF information in the Town is entered by Roanoke County in the DEQ Construction General Permit tracking system when the Notice of Termination for the associated project is entered to initiate project closeout.

On September 17, 2024, Vinton Town Council adopted Ordinance No. 1060 – an ordinance to adopt Roanoke County's consolidated Erosion and Stormwater Management (ESM) Program which shall be applicable within the Corporate Limits of the Town of Vinton and designating Roanoke County as the Virginia Erosion and Stormwater Management Program (VESMP) Authority within the Corporate Limits of the Town. Additionally, on September 17, 2024, Resolution No. 2612, was also adopted by Vinton Town Council authorizing the Town Manager to enter a Memorandum of Understanding (MOU), on behalf of the Town, with Roanoke County for the County to act as the Virginia Erosion and Stormwater Management Program (VESMP) Authority for the Town of Vinton.

Goal: The goal of this BMP is to maintain an electronic database or spreadsheet of all known Town-owned, County-owned, and privately-owned stormwater management facilities that discharge into the MS4. Please see the attached table of the Stormwater Management Facilities that located within the Town of Vinton. This spreadsheet is also available online through Roanoke County's website in the "Quick Links" section of the following webpage:

<https://www.roanokecountyva.gov/1755/Stormwater-MS4-Permit> or
<https://www.roanokecountyva.gov/DocumentCenter/Index/1950>.

The Town/County's database includes the following information, as applicable:

- The SWMF type
- The SWMF location (latitude and longitude)
- The 6th Order Hydrologic Unit Code in which the SWMF is located
- The acres treated by the SWMF, including total acres, impervious acres, and pervious acres
- The date the SWMF was brought online (MM/YYYY). If the date brought online is not known, the County will use June 30, 2005
- Indication as to whether the SWMF is owned by the County or privately-owned
 - If the stormwater management facility is privately-owned, whether a maintenance agreement exists
- Indication as to whether the SWMF is part of Roanoke County's local TMDL action plans
- The date of Roanoke County's most recent inspection of the SWMF

Responsible Party: The Town Planning and Zoning Department in cooperation with Roanoke County Department of Development Services, with the assistance of the County's Department of Communications and Information Technology (CommIT).

Schedule:

- The electronic database or spreadsheet of all known Town-owned, County-owned and privately-owned SWMFs that discharge into the MS4 will be updated no later than 30 days after (1) a new SWMF is brought online, (2) a new BMP is implemented to meet a TMDL load reduction, or (3) after discovery of an existing SWMF.
- Roanoke County will use DEQ's Construction Stormwater Database, or other application as specified by DEQ, to report each of its SWMFs installed after July 1, 2014, to address the control of post-construction runoff from land-disturbing activities for which Roanoke County is required to obtain a General VPDES Permit for Discharges of Stormwater from Construction Activities.
- No later than October 1 of each year, Roanoke County will electronically report all other SWMFs and BMPs implemented between July 1 and June 30 of each year using the DEQ BMP Warehouse and associated reporting template.

Measurable Goals: Success for this BMP will be measured by updating of the electronic database or spreadsheet and by submittal of the SWMF information to DEQ through the Virginia Construction Stormwater General Permit database and the DEQ BMP Warehouse, as described above.

- This spreadsheet that is prepared by Roanoke County Department of Development Series available online in the "Quick Links" section of the following webpage:
<https://www.roanokecountyva.gov/1755/Stormwater-MS4-Permit>
- The Town did not have any projects requiring coverage under the General VPDES Permit for Discharges of Stormwater from Construction Activities for the reporting period of July 1, 2023 – June 30, 2024.
- Roanoke County enters new SWMF information in the DEQ Construction General Permit tracking system when the Notice of Termination for the associated project is entered to initiate project closeout. The Town did not have any new SWMF for the reporting period of July 1, 2023 – June 30, 2024.

| HUC | # | Acres Treated |
|---------------------|----------|---------------|
| 030101010301 (RU09) | 2 | 32.80 |
| 030101010402 (RU12) | 2 | 5.28 |
| 030101010404 (RU14) | 1 | 2.68 |
| TOTAL | 5 | 40.76 |

- Roanoke County confirms that it electronically reports SWMFs using the DEQ BMP Warehouse in accordance with Part III.B.1. and 2. of the MS4 Permit.
- Roanoke County confirms that it electronically reports SWMFs inspected using the DEQ BMP Warehouse in accordance with Part III.B.5. of the MS4 Permit.

TMDL Consistency: Tracking permanent SWMFs helps to ensure that all permanent stormwater management facilities are inspected, adequately maintained, and properly functioning, which is critical for flood protection and erosion prevention. (SED)

Evaluation and Modification: The Town of Vinton and Roanoke County believe that tracking permanent SWMFs helps to ensure that these facilities are routinely inspected, adequately maintained, and properly functioning, which is critical for flood protection and erosion prevention. No modifications are planned for this BMP.

BMP 5-4. Strategies to Encourage Long-Term Maintenance of Stormwater Control Measures on Single-Family Residential Lots

Goal: The goal of this BMP is to implement strategies to promote the long-term maintenance of stormwater control measures that are intended to treat stormwater runoff solely from the individual single family residential (SFR) lot. These strategies will be used to replace recorded maintenance agreements and post-construction inspections by Roanoke County.

Responsible Party: The Town Planning and Zoning Department in cooperation with Roanoke County Department of Development Services.

Schedule: Roanoke County implements various strategies to promote the long-term maintenance of stormwater control measures to treat runoff from SFR structures. The County will update these strategies, as necessary, to remain consistent with the VESM program.

Measurable Goals: Success for this BMP will be measured by tracking the number of new residential lots covered by the strategies, proper implementation of the strategies, and evaluating the effectiveness of the strategies in promoting the long-term maintenance of stormwater control measures.

- See Roanoke County MS4 Annual Permit folder titled **BMP 5-4** on their supporting document link, for a list of the 10new **SFRs** covered by the strategies, which include.
 - Directing stormwater runoff from rooftops as non-erosive sheet flow to well-vegetated areas on the property to the maximum extent practicable
 - Directing stormwater runoff from impervious surfaces (e.g., driveways, parking areas, sidewalks) as non-erosive sheet flow to well-vegetated areas on the property to the maximum extent practicable, and
 - Directing stormwater runoff from lawns as non-erosive sheet flow to undisturbed naturally vegetated areas on the property to the maximum extent practicable.
- For Year one reporting, there were three single-family building permits obtained/issued within the Town of Vinton, as shown in the table below:

| Installation Date | Owner/Contractor | Address | Type of Single-Family |
|--------------------------|--------------------------------------|-----------------------|---|
| 17-Nov-23 | WCB Ltd. | 1633 Meadows Road | new SFR 53' X 50' on slab |
| 9-Feb-24 | Brandon Bodine/Alouf Custom Builders | 1245 Hardy Road | new SFR 36' X 48', 6' X 48' covered porch |
| 29-Dec-2023 | Terry Lee Gordon | 510 E. Jackson Avenue | 30' X 70' new SFR with 24' X 30' garage |

- Roanoke County's Fact Sheet entitled "Tips for Homeowners: Stormwater Best Practices" provides strategies and maintenance tips for residential stormwater practices. It is on the County's website at:
[SW-Tips-for-Homeowners- \(roanokecountyva.gov\)](https://www.roanokecountyva.gov/sw-tips-for-homeowners)

Roanoke County's newsletters can be accessed via the County's website:
<https://www.roanokecountyva.gov/1648/StormwaterPublic-Education-Documents>

TMDL Consistency: By implementing strategies to promote the long-term maintenance of stormwater control measures that are designed to treat stormwater runoff solely from the individual residential lot, this BMP helps to assure that such sites are not contributing large volumes of sediment to receiving waters. (SED)

Evaluation and Modification: The Town of Vinton and Roanoke County believe this is an effective BMP to address the maintenance of relatively simple stormwater management practices used on individual single-family residences (SFRs). No modifications are currently planned for this BMP.

BMP 5-5. Storm Sewer System Maintenance

Goal: The goal of this BMP is to actively maintain and repair the Town's storm sewer (i.e., drainage) system in its MS4 program area. Such maintenance helps to keep the system working as designed, which minimizes the risk of surcharging and overflows; it also helps to minimize street flooding associated with clogged inlet structures and conveyances. In addition, the Town of Vinton Public Works Department personnel have the potential to discover illicit connections and observe where pollutants may be entering the regulated storm sewer system.

Responsible Party: The Town's Planning and Zoning Department in cooperation with the Town's Public Works Department.

Schedule: The Town implements and is committed to continuing its storm sewer (drainage) system maintenance program. The number of large stormwater maintenance/repair projects will be documented. In addition, the number of emergency projects and small-scale maintenance/repair projects completed each year will be tracked.

Measurable Goals: Success for this BMP will be measured by the continuation of this program, and the increase in total value of improvement that has been completed to maintain the storm sewer system.

- The Town's Public Works Department performs a large variety of duties including installation of storm sewer piping and infrastructure, repair of damaged structures, emergency response to flooding problems, storm drain structure cleaning and maintenance. The Planning and Zoning Department's and Roanoke County CommIT's personnel are responsible with the mapping of the known outfalls and storm drain structures within the Town Limits.
- The maintenance and improvement projects were completed from July 1, 2023 through June 30, 2024, resulting in the following:
 - Total storm drain structures mapped: 0
 - Total storm drain structures inspected: 4
 - Total storm drain structures improved: **1**
 - Total storm drain structures replaced: **7**
 - Small projects completed: **9**
 - Number of emergency projects: **7**
 - Total feet of pipe installed: **1644.75**
 - Total feet of open/rip rap channel improved: **140**

The following table summarizes the Public Works Department's total expenditures for labor, materials, and equipment to maintain the stormwater system to correct deficiencies. A total of 2299.25 labor hours were spent on the storm sewer systems' maintenance and repair. The value of these improvements was estimated to be **\$265,411.84**.

| Reporting Period | Work Hours | Total Labor | Materials | Total Equipment | Total Expenditures |
|------------------------|------------|-------------|--------------|-----------------|--------------------|
| 2023 - 2024 (Year One) | 2,299.25 | \$78,202.60 | \$116,765.44 | \$70,443.80 | \$265,411.84 |

TMDL Consistency: This program is responsible for maintaining the regulated storm sewer system. This includes the improvement of eroding stream banks and channels. This program directly remediates existing areas where sediment is eroding and stabilizes the system, removing the input of sediment to the streams and channels. (SED) This program also increases the potential for discovering illicit connections to the storm drain system. (EC)

Evaluation and Modification: The Town Public Works Department will continue to maintain the Town's storm sewer system to keep the system properly functioning. Such work also provides an opportunity for the Town to discover potential illicit connections its MS4. No modifications are planned for this BMP.

MCM 6: POLLUTION PREVENTION AND GOOD HOUSEKEEPING FOR FACILITIES OWNED OR OPERATED BY THE PERMITTEE WITHIN THE MS4 SERVICE AREA

The goal of this minimum control measure is to reduce stormwater runoff pollution and prevent illicit discharges from during the Town's day-to-day operations at the Town of Vinton's various high-priority municipal facilities. The amended programs listed below will be used to satisfy this minimum control measure are listed below:

BMP 6-1. Public Street Sweeping and Fall Leaf Collection Programs

The Town has and will continue with its street sweeping and the fall leaf collection programs.

BMP 6-2. Standard Operating Procedures (SOP)

Town of Vinton will maintain and implement written standard operating procedures (SOPs) for daily operations and maintenance activities that have a potential of discharging pollutants directly or with stormwater runoff into the MS4. The SOPs will be used in training activities.

BMP 6-3. Training Programs for Town Employees

The Town of Vinton implements biennial training for applicable employees in (1) recognition and reporting of illicit discharges; (2) good housekeeping and pollution prevention practices for: *(a) road, street, and parking lot maintenance, (b) maintenance and public works facilities, and (c) recreational facilities*; (3) spill response by emergency response employees; (4) herbicide application training; and (5) contractor oversight for environmental compliance.

BMP 6-4. Stormwater Pollution Prevention Plans (SWPPPs) for Municipal Facilities

Town of Vinton will identify all high-priority facilities with a high potential to discharge pollutants in stormwater. Stormwater Pollution Prevention Plans (SWPPPs) will be prepared, implemented, and maintained. SWPPPs will be used in training activities.

BMP 6-5. Nutrient Management Plans

The Town of Vinton will identify all Town-owned lands where nutrients are applied to a contiguous area of 1 acre or more. Nutrient Management Plans will be prepared by a certified nutrient management planner and will be implemented and maintained.

BMP 6-6. Pesticide Applicator Certification

Any employees and Town-hired contractors who apply pesticides/herbicides shall have the proper Virginia Pesticide Applicator Certificate.

This annual report provides a detailed description of the goals of each BMP, the status of the Town's compliance with each BMP, and an evaluation of the BMP and any proposed

modifications needed to better achieve the overall MS4 Program goals. In addition, the strategies to ensure consistency with local TMDLs are also provided, and they are broken down by impairment type: Escherichia coli (*E. coli*) bacteria (EC), and/or sediment (SED).

BMP 6-1. Public Street Sweeping and Fall Leaf Collection Programs

Goal: The goal for this program is for the Town to maintain an effective street sweeping and the fall leaf collection programs.

Responsible Party: The Town Planning and Zoning Department in cooperation with the Town's Public Works Department.

Schedule: The Town implements and is committed to continuing its public street sweeping and the leaf collection program storm sewer (drainage) system maintenance program. The number of large stormwater maintenance/repair projects will be documented. In addition, the number of emergency projects and small-scale maintenance/ repair projects completed each year will be tracked.

Measurable Goal: The street sweeping program to target weekly sweeping of all primary streets will return the greatest benefit of collecting and thus preventing roadway contaminants, sediment and debris, from entering the stormwater collection system. Other streets are swept bi-weekly or at three-week intervals. Sweeping frequency is impacted by inclement weather and equipment downtime. This continues to optimize both the use and effectiveness of the Town single street sweeper and achieves desired results.



The fall leaf collection program, which is normally done in the months of November and December, also minimizes leaf and yard waste from entering the stormwater collection system. For year one reporting period, the total expenses on wages, and equipment cost of street sweeping program was **\$104,350.40** and the total expense of the leaf collection program was **\$34,351.56**. The number of debris collected by the street sweeping program has also been tracked, which was 89.91 Tons for Year One.

The Town will continue to maintain the street sweeping program and the leaf collection program. This program of collections of roadway contaminants, sediment, debris, leaf, yard waste, prevents them from entering the Town's storm sewer collection system, and is of aesthetic benefit.

| Reporting Period | Street Sweeping Program | | Fall Leave Collection Program |
|------------------------|-------------------------|-----------------------------------|-------------------------------|
| | Expenses/Wages | Weight Collected/Sediment Removed | |
| 2023 - 2024 (Year One) | \$104,350.00 | 89.91 Tons | \$34,351.56 |

Please see the table above for sediment removed by street sweeping from July 1, 2023, through June 30, 2024.

TMDL Consistency: The street sweeping program offers the greatest benefit to capture roadway contaminants, debris, and sediment (SED) before entering the Town's storm sewer collection system. The leaf collection program minimizes leaf and yard debris that contaminated with pet waste from entering storm sewer system (EC/FC).

Evaluation and Modification: The street sweeping program offers the greatest benefit to capture roadway contaminants, debris, and sediment (SED) before entering the Town's storm sewer collection system. The leaf collection program minimizes leaf and yard debris that contaminated with pet waste from entering storm sewer system (EC/FC). No modifications are planned for this BMP.

BMP 6-2. Standard Operating Procedures (SOP)

Goal: The goal of this BMP is to develop and implement written standard operating procedures (SOPs) to help prevent pollutant discharge from activities at municipal facilities such as (1) road, street, and parking lot maintenance, (2) equipment maintenance, and (3) the application, storage, transport, and disposal of pesticides, herbicides, and fertilizers. These SOPs will be used in the employee training program (**see BMP 6-3**) and are designed to:

- 1) Prevent illicit discharges;
- 2) Ensure the proper disposal of waste materials, including landscape wastes;
- 3) Prevent the discharge of wastewater or Town vehicle wash water or both into the MS4 without authorization under a separate VPDES permit;
- 4) Require implementation of best management practices when discharging water pumped from utility construction and maintenance activities;
- 5) Minimize the pollutants in stormwater runoff from bulk storage areas (e.g., salt storage, topsoil stockpiles) through the use of best management practices;
- 6) Prevent pollutant discharge into the MS4 from leaking municipal automobiles and equipment; and
- 7) Ensure that the application of materials, including fertilizers and pesticides, is conducted in accordance with the manufacturer's recommendations.

Responsible Party: The Planning and Zoning Department in cooperation with the Human Resources/Risk Management Director; develop, evaluate, and amend the written water quality-related SOPs and provides support to applicable departments, the latter of which are responsible to comply with the SOPs that are pertinent to their activities.

Schedule: SOPs will be annually evaluated and revised, as needed.

Measurable Goals: Success for this BMP will be measured by the updating of the written SOPs, as necessary, and by employee training on the appropriate SOPs. There were no additions or modifications to the Town's Water Quality-Related Standard Operating Procedures during the permit year.

- The Town of Vinton 2014 SOP will be amended by the Town Stormwater Program Manager by December 31, 2024, to delete sections pertaining to water and wastewater (sanitary sewer) sections.
- As of July 1, 2022, the Town-owned water and wastewater services systems have been transferred to Western Virginia Water Authority.

- The attached SOP document dated May 1, 2023, pertaining to Construction/Maintenance Activities has been provided to Vinton Public Works personnel who are responsible for performing small construction and/or maintenance activities (sidewalk, drainage projects, etc.) and to the applicable Town personnel who oversee(s) any construction projects within the Town.

TMDL Consistency: This BMP ensures that all Standard Operating Procedures for water quality are in place and used for training. This is an effective BMP to help ensure pollutants from the Town's daily operations do not enter the MS4. (SED)

Evaluation and Modification: The Town believes it is effective to maintain water quality-related SOPs and to train employees to use them, to protect receiving waters from pollutants that may be carelessly handled by employees in their daily operations. No modifications are planned for this BMP.

BMP 6-3. Training Programs for Town Employees

Goal: The goal of this BMP is to provide Town employees with necessary training to support the requirements of the MS4 Permit. The written training plan provides for the following:

- 1) Field personnel receive training in the Recognition and Reporting of Illicit Discharges no less than once per 24 months;
- 2) Employees performing road, street, and parking lot maintenance receive training in Pollution Prevention and Good Housekeeping associated with those activities no less than once per 24 months;
- 3) Employees working in and around maintenance, public works, or recreational facilities such as greenways, receive training in Pollution Prevention and Good Housekeeping practices associated with those facilities no less than once per 24 months;
- 4) Employees and contractors hired by the Town of Vinton who apply pesticides and herbicides are trained or certified in accordance with the Virginia Pesticide Control Act (§ 3.2-3900 et seq. of the Code of Virginia). Certification by the Virginia Department of Agriculture and Consumer Services (VDACS) Pesticide and Herbicide Applicator program shall constitute compliance with this requirement;
- 5) As required by Roanoke County as the Town's Erosion and Sediment Control Administrator; employees and contractors serving as plan reviewers, inspectors, program administrators, and construction site operators obtain the appropriate certifications as required under the Virginia Erosion and Sediment Control Law and its attendant regulations;
- 6) Employees and contractors implementing the stormwater program obtain the appropriate certifications as required under the Virginia Stormwater Management Act and its attendant regulations; and
- 7) Employees whose duties include emergency response have been trained in spill response. Training of emergency responders such as firefighters and law-enforcement officers on the handling of spill releases as part of a larger emergency response training shall satisfy this training requirement, and it shall be documented in the training plan.

***As of July 1, 2019, the fire and emergency management services within the Town Limits are provided by Roanoke County.**

The training provided by Roanoke County Fire/EMS Department and the EMS employees completed the training can be accessed via the County's supporting document link as follows: [Training Resources | Roanoke County, VA - Official Website \(roanokecountyva.gov\)](https://www.roanokecountyva.gov/training-resources)

Responsible Party: The Planning and Zoning Department in cooperation with the Human Resources/Risk Management Director, provide the appropriate departments with access to the

training materials; each department is responsible to make certain that their employees take and comply with the pertinent training.

Schedule: Employee training is conducted on a biennial basis. The Town will review the training program on a biennial basis and update it, as needed.

Measurable Goals: This BMP will be measured by training of the pertinent Town employees in accordance with the schedule. In addition, the Town will maintain documentation of each training event for a minimum of three years after the training event.

Employees will receive training in one or more of the topics listed below, depending on job class, on a biennial basis.

Recognition and Reporting Illicit Discharges

Applicable field personnel receive training in the recognition and reporting of illicit discharges. This training video takes approximately 30 minutes.

Good Housekeeping and Pollution Prevention Practices

Employees that perform road, street, and parking lot maintenance, or are employed in and around maintenance and public works facilities and at recreational/greenway facilities receive training in good housekeeping and pollution prevention practices. This training video takes approximately 1 hour.

NOTE: All employees who are required to take *Good Housekeeping and Pollution Prevention Practices* are required to read and follow the Town's Water Quality-Related Standard Operating Procedures (SOPs). These procedures were designed to eliminate or minimize pollutant discharges in stormwater.

Contractor Oversight for Environmental Compliance

Supervisors who oversee Contractors that perform work for the Town or employees involved in developing contracts for Contractors take this training. The training explains that all Contractors must have their own written good housekeeping and pollution prevention program, or they must comply with the Town/County's written policies and water quality-related SOPs. Town employees who oversee Contractors working for the Town must ensure compliance by Contractors. This training video takes approximately 30 minutes.

Hazardous Materials (HAZ-MAT) Training

On behalf of the Town of Vinton, the County of Roanoke currently maintains basic hazardous materials training for its employees in Fire and Rescue. All career (paid) staff are certified to HAZ-MAT Operations. For this permit year, there are 186 uniformed, career employees. The number of volunteers is always in flux, but the County estimates that there are also 101 volunteers that currently have HAZ-MAT Operations training. HAZ-MAT certification does not expire from the Virginia Department of Fire Programs; however, all career personnel receive annual, internal training on this topic as part of their career development training.

Stormwater Pollution Prevention Plan (SWPPP) Training

Employees who work at a Town municipal facility that has a SWPPP are required to take SWPPP training to assure that they know (1) where the SWPPP document is kept, (2) what it is for, and (3) which pollution prevention practices are to be used in and around the particular facility. This training presentation (PowerPoint) takes approximately 30 minutes to view.

Additionally, Roanoke County as the Town's ESC and VSMP administrator as part of their annual MS4 reporting, provides a summary report of all DEQ-certified staff who review, approve, and inspect the implementation of stormwater management plans in the County's MS4 Annual Report Supporting Documents that can be accessed via this link: [Document Center • Roanoke County, VA • CivicEngage \(roanokecountyva.gov\)](#)

TMDL Consistency: This BMP ensures that all employees receive pollution prevention training, and targeted employees receive additional training for municipal good housekeeping, pollution prevention, and Illicit Discharge Detection and Elimination (IDDE) (SED/EC). It also ensures that all Roanoke County Fire and Rescue employees maintain basic hazardous waste training to prevent any mishandling of hazardous materials in ways that could be detrimental to the environment (SED/EC).

Evaluation and Modification: The Town believes it is effective to train employees in the above-mentioned topics. No modifications are planned for this BMP.

BMP 6-4. Stormwater Pollution Prevention Plans (SWPPPs) for Municipal Facilities

Goal: The goal of this BMP is to identify high-priority facilities in the Town that have a high potential of discharging pollutants and to prepare, maintain, and implement a site-specific stormwater pollution prevention plan (SWPPP) for each identified facility.

High-priority facilities that have a high potential for discharging pollutants are those facilities that are not covered under a separate VPDES permit and for which any of the following materials or activities occur and are expected to have exposure to stormwater resulting from rain, snow, snowmelt, or runoff:

- 1) Areas where residuals from using, storing or cleaning machinery or equipment remain and are exposed to stormwater.
- 2) Materials or residuals on the ground or in stormwater inlets from spills or leaks.
- 3) Material handling equipment.
- 4) Materials or products that would be expected to be mobilized in stormwater runoff during loading or unloading or transporting activities (e.g., rock, salt, fill dirt).
- 5) Materials or products stored outdoors (except final products intended for outside use where exposure to stormwater does not result in the discharge of pollutants);
- 6) Materials or products that would be expected to be mobilized in stormwater runoff contained in open, deteriorated or leaking storage drums, barrels, tanks, and similar containers.
- 7) Waste material except waste in covered, non-leaking containers (e.g., dumpsters).
- 8) Application or disposal of process wastewater (unless otherwise permitted).
- 9) Particulate matter or visible deposits of residuals from roof stacks, vents or both not otherwise regulated (i.e., under an air quality control permit) and evident in the stormwater runoff.

The Town of Vinton has developed SWPPPs for all of its five (5) high-priority facilities and will be updated as necessary. Along with the previously developed Implementation Schedule, the SWPPPs have been posted on the Town's website via the link below:

<https://www.vintonva.gov/230/MS4-Permit>

The schedule identifies the high-priority facilities that have a high potential to discharge pollutants. This document also indicates when the various SWPPPs were prepared. Each SWPPP is kept at the high-priority facility for which it was written and contains the following information:

- 1) A site description that includes a site map identifying all outfalls, direction of stormwater flows, existing source controls, and receiving water bodies.
- 2) A description and checklist of the potential pollutants and pollutant sources.
- 3) A description of all potential non-stormwater discharges.
- 4) Written procedures designed to reduce and prevent pollutant discharge.
- 5) A description of the applicable training as required in Part I E 6 m of the MS4 Permit.
(See **BMP 6-3 in this Report.**)
- 6) Procedures to conduct an annual comprehensive site compliance evaluation.
- 7) An inspection frequency of no less than once per year and maintenance requirements for site-specific source controls. The date of each inspection and associated findings and follow-up shall be logged in each SWPPP.
- 8) A log of each unauthorized discharge, release, or spill incident reported in accordance with Part III G of the MS4 Permit, to include the following:
 - a. Date of incident.
 - b. Material discharged, released, or spilled.
 - c. Estimated quantity discharged, released or spilled.

Responsible Party: The Planning and Zoning Department in cooperation with the Human Resources/Risk Management Director will evaluate the high-priority facilities and prepares and updates the necessary SWPPPs. The applicable departments implement their SWPPPs, conduct the requisite training and facility inspections, and handle incident reporting in the event of an unauthorized discharge, release, or spill.

Schedule: The Town has identified its five (5) municipal high-priority facilities, and it has determined which of these high-priority facilities have a high potential to discharge pollutants in stormwater. All necessary SWPPPs have been completed, and they will be maintained for as long as each facility has a high potential to discharge pollutants.

If activities change at a facility such that it no longer meets the criteria of a high-priority facility with a high potential to discharge pollutants, the Town may remove the facility from the list of high-priority facilities with a high potential to discharge pollutants.

Measurable Goals: Success for this BMP will be measured by the implementation/maintenance of the required SWPPPs and the SWPPPs being kept at the high-priority facility for which they were written and used as part of the staff training conducted at said facility. These five (5) SWPPPs can be accessed via the link below:

<https://www.vintonva.gov/230/6126/MS4-Permit>

In addition, the Town will review the contents of any site-specific SWPPP no later than 30 days after any unauthorized discharge, release, or spill reported in accordance with Part III G of the MS4 Permit to determine if additional measures are necessary to prevent future unauthorized discharges, releases, or spills. If necessary, the Town will update the SWPPP no later than 90 days after the unauthorized discharge.

| Vinton Public Works Facility | Location | Date of SWPPP Completed/Amended |
|--|--|---------------------------------|
| # 1: Vehicle Maintenance Facility/Fueling Center | 804 3 rd Street | June 2015/December 2022 |
| # 2: Material Laydown Yard | 3 rd Street | June 24, 2019 |
| # 3: Road Salt and Vehicle/Equipment Storage | 3 rd Street | September 19, 2018 |
| # 4: Organic Materials Collection Site | 3 rd Street | June 2017/February 2023 |
| # 5: Vehicles and Equipment Storage | 804 3 rd Street and 860 Industry Circle | June 2017/February 2023 |

- In this permit Year 1 report:
 - No new SWPPP was required or developed.
 - No report of an unauthorized release from any of the five high-priority sites.
- The Town's identified facilities SWPPP inspection reports are attached.
- All the Town's SWPPPs are available in the MS4 Program Plan, which can be accessed on the Town's website: <https://www.vintonva.gov/230/MS4-Permit>

| Facility Name | Completed SWPPP Inspections | | | | |
|--|-----------------------------|-------------------------------|------------------------------|-----------------------------|---|
| | Qtr. 1 (due Jan 1, 2023) | Qtr. 2 (due April 1, 2023) | Qtr. 3 (due July 1, 2023) | Qtr. 4 (due Oct 1, 2023) | Annual Assessment (due Oct 1, 2023) |
| # 1: Vehicle Maintenance Facility/Fueling Center | Jan 4, 2023 | April 7, 2023 | July 27, 2023 | October 25, 2023 | October 25, 2023 |
| # 2: Material Laydown Yard | Jan 4, 2023 | April 7, 2023 | July 27, 2023 | October 25, 2023 | October 25, 2023 |
| # 3: Road Salt and Vehicle/Equipment Storage | Jan 3, 2023 | April 7, 2023 | July 27, 2023 | October 25, 2023 | October 25, 2023 |
| # 4: Organic Materials Collection Site | Jan 3, 2023 | April 7, 2023 | July 27, 2023 | October 25, 2023 | October 25, 2023 |
| # 5: Vehicles and Equipment Storage | Jan 3, 2023 | April 7, 2023 | July 27, 2023 | October 25, 2023 | October 25, 2023 |

TMDL Consistency: This BMP ensures that all high-priority facilities that have a high potential to discharge pollutants in stormwater have a SWPPP in place with employees trained to understand, implement, and maintain it. The SWPPP identifies Best Management Practices to be employed at each facility to prevent the discharge of pollutants into the MS4 (SED/EC).

Evaluation and Modification: The Town will continue to implement and update the completed SWPPPs and will prepare new SWPPPs, as necessary. No modifications are planned for this BMP.

BMP 6-5. Nutrient Management Plan (NMP)

Currently, the Vinton War Memorial property is the only Town-owned land that meets the requirement for a Nutrient Management Plan (NMP). The NMP was prepared in 2016 and was updated on July 1, 2019, with an end date of June 30, 2024.

Goal: The goal of this BMP is to ensure that excessive nutrients are not being applied to Town-owned lands. To achieve this, the Town will maintain and implement turf and landscape nutrient management plan (NMPs) that has been developed by a certified turf and landscape nutrient management planner (in accordance with § 10.1-104.2 of the Code of Virginia) on the land (Vinton War Memorial) owned or operated by the Town where nutrients are applied to a contiguous area greater than one acre. If nutrients are being applied to achieve final stabilization of a land disturbance project, application amounts will follow the manufacturer's recommendations.

Responsible Party: The Planning and Zoning Department of Development in cooperation with the Town Capital Projects Director is responsible for the preparation, implementation, and maintenance of Nutrient Management Plans on Town-owned lands.

Schedule: The Town-owned land where nutrients are applied to a contiguous area of 1 acre or more has been identified and Nutrient Management Plan is in place. The Town will continue to implement this plan and update it, as needed.

Measurable Goals: Success for this BMP will be measured by the implementation of the Nutrient Management Plan (NMP) for the applicable land; Vinton War Memorial.

- Parts 1 and 2 of the NMP for Towny-owned – Vinton War Memorial was updated in March 2024 and approved by DCR on April 11, 2024. Hard copies are kept onsite in the administrative office of the Vinton War Memorial and the Town's Stormwater Manager.
- There were no updates in this Permit Year 1, and no additional acreages were added. The NMP can be accessed via this link: <https://www.vintonva.gov/230/MS4-Permit>

TMDL Consistency: This BMP ensures that excessive nutrients are not being applied for the Town-owned lands where nutrients are applied to a contiguous area of 1 acre or more. While there is no known benefit towards satisfying the TMDL requirements for *E. coli* or sediment, there is a water quality benefit associated with proper application of nutrients. The minimization of land-applied nutrients helps the Town address one of its high priority water quality issues, that of preventing excess nutrients from entering receiving waters via stormwater runoff.

Evaluation and Modification: The Town finds this BMP to be effective and will continue to implement its NMP for the Vinton War Memorial.

BMP 6-6. Pesticide Applicator Certification

Goal: The goal of this BMP is to ensure that all employees and contractors hired by the Town who apply pesticides and herbicides are trained or certified in accordance with the Virginia Pesticide Control Act (§ 3.2-3900 et seq. of the Code of Virginia). Certification by the Virginia Department of Agriculture and Consumer Services (VCACS) Pesticide and Herbicide Applicator program shall constitute compliance with this requirement.

Responsible Party: The Planning and Zoning Department shall track compliance. The Public Works Department is responsible to ensure that their employees or contractors who apply pesticides on Town-owned lands have current pesticide/herbicide applicator certifications.

Schedule: The Town annually reviews the pesticide/herbicide applicator certifications held by its employees and hired contractors.

Measurable Goals: Success for this BMP will be measured by maintenance of current certification by the applicable employees and any hired contractors. See the summary table, below, for those Town employees that hold the requisite certifications:

| EMPLOYEE | CERTIFICATION TYPE | CERTIFICATION # | EXPIRATION DATE |
|-----------------|--|-----------------|-----------------|
| Kenny Sledd | Pesticide Applicator | 127627-G | 6/30/2025 |
| Andrew Critcher | Pesticide Applicator – Registered Tech | 16045-T | 6/30/2026 |

TMDL Consistency: While there is no known benefit towards satisfying the TMDL requirements for *E. coli* or sediment, there is a water quality benefit associated with proper application of pesticides to avoid excess products entering the receiving waters by way of stormwater runoff.

Evaluation and Modification: They will continue to require the applicable personnel to hold the proper pesticide and fertilizer applicator certifications. No modifications are planned for this BMP.

SECTION II. TOTAL MAXIMUM DAILY LOAD (TMDLs) ACTION PLANS

A. INTRODUCTION

The Town of Vinton has developed two Total Maximum Load (TMDL) Action Plans to reduce loadings for two pollutants of concern (sediment and bacteria), because the Town discharges (or may discharge) these pollutants to impaired waters for which a TMDL has been approved by the U.S. Environmental Protection Agency (EPA) and in which an individual or aggregate waste load has been allocated to the Town of Vinton.

The plans have been modified and submitted to VA DEQ Blue Ridge Regional Office on April 26, 2021, are summarized below:

TMDL Action Plan for Bacteria (*E. coli*)

The *Total Maximum Daily Load (TMDL) Action Plan for Bacteria Reduction (E. coli) in the Roanoke River, Tinker Creek, and Glade Creek* was completed on July 1, 2015 and submitted to DEQ with the corresponding MS4 Annual Report. The latest version of this plan, dated April 26, 2021, is on the Town's website at:

<https://www.vintonva.gov/DocumentCenter/View/2225/TOV-Bacteria-TMDL-Action-Plan-April-26-2021>

TMDL Action Plan for Benthic/Sediment

The *Total Maximum Daily Load (TMDL) Action Plan for Benthic/Sediment Reduction in the Roanoke River* was completed on July 1, 2015, and submitted to DEQ with the corresponding MS4 Annual Report. The latest version of this plan, dated April 26, 2021, is on the Town's website at:

<https://www.vintonva.gov/DocumentCenter/View/2226/TOV-Sediment-TMDL-Action-Plan-April-26-2021>

Pursuant to the MS4 permit requirements, a summary of the BMPs conducted by the Town to implement each of its local TMDL Action Plans follows next in this report, along with a detailed description of the goals of each BMP, the status of the Town's compliance with each BMP, and an evaluation of the BMP and any proposed modifications needed to better achieve the TMDL goals. Each BMP describes how it is consistent with the local TMDL and identifies which impairment type it addresses: *Escherichia coli* (*E. coli*) bacteria (EC), or sediment (SED).

B. BMPs to Address Bacteria (*E. coli*)

The latest version of the TMDL Action Plan for Bacteria Reduction (*E. coli*), dated April 26, 2021, is posted on the Town's website at:

<https://www.vintonva.gov/DocumentCenter/View/2225/TOV-Bacteria-TMDL-Action-Plan-April-26-2021>

This plan was developed to reduce bacteria in the Roanoke River, Tinker Creek, and Glade Creek. The BMPs that will be used to address bacteria are listed below and fall into three categories: (1) Domestic pets, (2) Wildlife, and (3) Illicit connections or illicit discharges to the MS4.

| BMP # | BMP Name/Task | Implementation Date |
|---|---|----------------------|
| DOMESTIC PETS | | |
| B-1 | Dog Waste Stations and Signage Installations: <ul style="list-style-type: none">• Develop written plan of where to install• Install one dog waste station per year until plan is achieved. | July 2020 Ongoing |
| B-2* | *Protect Stream Buffers: (See Roanoke County BMP B-2 – Roanoke County is the Town's VESMP Authority) | Ongoing |
| B-3* | Protect Stream Buffers: No-Mow Policy for Town-Owned Land | Ongoing |
| B-4* | Public Street Sweeping and Leaf Collection Program | Ongoing |
| WILDLIFE | | |
| B-5 | Public Education: Reducing Food Sources Accessible to Wildlife (See Roanoke County BMP B-4) | Ongoing |
| ILLICIT CONNECTIONS OR ILLICIT DISCHARGES TO THE MS4 | | |
| B-6 | *Public Education: Septic System Repair and Maintenance (See Roanoke County BMP B-5) | Ongoing |
| B-7 | Business Outreach: Eliminating Illicit Discharges | Ongoing |
| B-8 | Enhanced Public Outreach for Bacteria (<i>E. coli</i>) (See Roanoke County BMP-7) | Ongoing |
| B-9 | Enhanced Employee Training for Bacteria (<i>E.coli</i>) | Ongoing |

**BMPs Also Effective in Reducing Sediment Discharges to the Roanoke River*

Note: Roanoke County is the Town of Vinton's Virginia Erosion and Stormwater Management Program (VESMP) Authority
Roanoke County Public Outreach/Information Dissemination Includes the Town Residences, Business Owners, Dog/Cat Owners, and/or Active Land Disturbers (Homeowner/Contractor/Developers)

BMP B-1. Dog Waste Stations and Signage

Goal: The goal of this BMP is to increase the number of maintained dog waste stations and associated signage on Town-owned properties and greenways to reduce discharge of *E. coli* from dog waste into receiving waters.

Responsible Party: The Planning and Zoning Department will be responsible for plan development and the Public Works Department will install and maintain the dog waste stations and accompanying signage, as needed. Roanoke County Department of Parks, Recreation, and Tourism (PRT) is responsible in the maintenance and installation of the dog waste stations and accompanying signage for the three parks in the Town of Vinton: Glade Creek Park, Gearhart Park and M.A. Banks.

Schedule: By December 2024, the Town will develop a written plan that describes where dog waste stations should be installed; for example, when a new greenway is constructed and/or new locations are identified.

Measurable Goals: The Town will continue to maintain its dog waste stations and associated signage.

Roanoke County's PRT is also assessing the current and proposed locations of Mitt Mutt stations that could possibly be located closer to pavilions or other existing trash cans that are routinely serviced. For the locations of existing "Mutt Mitt" dog waste stations, see the online map that also listed dog waste stations within the Town of Vinton. The map can be accessed via this link: [GIS & Mapping Support / Roanoke County, VA - Official Website \(roanokecountyva.gov\)](https://roanokecountyva.gov/gis)

TMDL Consistency: Actions that decrease discharges of *E. coli* are consistent with the TMDL for bacteria. (EC)

Evaluation and Modification: The Town will continue to install when needed, and maintain dog waste stations, as outlined above. No modifications are planned for this BMP.

BMP B-2. Protect Stream Buffers: Ordinance

(Please see Roanoke County BMP B-2)

*** Roanoke County is the Town's Virginia Erosion and Stormwater Management Program (VESMP) Authority as of September 2024. The implementation of this BMP is the responsibility of Roanoke County's Department of Development Services in cooperation with the Town of Vinton's Planning and Zoning Department.**

Goal: The goal of this BMP is to maintain and implement the Town/County's stream buffer requirements. Stream buffers can be effective in dissuading stream access and in filtering stormwater runoff that sheet flows through them, which helps to remove sediment, bacteria, and other pollutants.

Responsible Party: The Town's Planning and Zoning Department in cooperation with Roanoke County's Department of Development Services. The County's Department of Development Services is responsible to develop and implement the Stream Buffer Ordinance.

Schedule: This activity began in permit year 2016 - 2017. The stream buffer requirements were incorporated into the County's now-retired Erosion & Sediment Control (ESC) Ordinance (effective date July 27, 2021) and carried over into its new Erosion and Stormwater Management (ESM) Ordinance, effective date August 1, 2024. Pursuant to the requirements, a 25-ft. wide stream buffer along perennial streams must be established in which no land grading may occur.

Roanoke County's ESM Ordinance with stream buffer requirements may be accessed here:
<https://www.roanokecountyva.gov/DocumentCenter/View/29575/070924-3-E1-Ordinance---Amending-Ch-81-Repeal-Ch-23-Create-Consolidated-Erosion-and-Stormwater-Mgmt-Program?bidId=>

Measurable Goals: Success for this BMP has been achieved, as the ordinance has been adopted. The County, through its Department of Development Services will continue to implement this ordinance and the associated stream buffer requirements.

TMDL Consistency: Actions that reduce discharges of *E. coli* are consistent with the TMDL for bacteria (EC).

Evaluation and Modification: The Town and Roanoke County find this BMP to be effective and have no plans for modifications.

BMP B-3. Protect Stream Buffers: No-Mow Policy for Town-owned Lands

Goal: The goal of this BMP is to evaluate the possibility of a “no-mow policy for town-owned lands” along streams, as a means to minimize stream bank erosion and dissuade access to streams by dogs.

Responsible Party: The Planning and Zoning Department is responsible to develop the no-mow policy for Town-owned lands with assistance from the Public Works Department and Roanoke County Department of Parks, Recreation, and Tourism (PRT) for greenways and/or parks maintained by the County’s PRT.

Schedule: A draft no-mow policy for Town-owned lands will be prepared by December 2024, even though the Public Works Department mowing personnel have not been mowing along the streams since 2015 of Wolf Creek and 2017 of Tinker Creek. Additionally, Roanoke County’s PRT personnel and/or contractor do not mow the buffer along Glade Creek of the Glade Creek Greenway.

Per Roanoke County’s Stormwater Program Manager, a no-mow policy for County-owned lands is being implemented by the County’s PRT. This policy attempts to balance the competing goals of providing adequate access to streams for the public, providing adequate views of the streams, excluding dogs, protecting stream banks, and providing vegetative filters. Implementation of this policy began in spring 2021 and it can be viewed in the County’s MS4 Annual Report supporting document:

<https://www.roanokecountyva.gov/DocumentCenter/View/27073/MS4-Annual-Report-2022-2023?bidId>

Measurable Goals: Success for this BMP will be measured by the preparation and implementation of a “no-mow policy for Town-owned lands.”

TMDL Consistency: Actions that reduce discharges of *E. coli* are consistent with the TMDL for bacteria. (EC)

Evaluation and Modification: Evaluation and modification are not appropriate at this time.

BMP B-4. Public Street Sweeping and Fall Leaf Collection Programs

Goal: The goal for this program is for the Town to maintain an effective street sweeping and the fall leaf collection programs.

Responsible Party: The Town's Planning and Zoning Department in cooperation with the Town's Public Works Department.

Schedule: The Town implements and is committed to continuing its public street sweeping and the leaf collection program storm sewer (drainage) system maintenance program. The number of large stormwater maintenance/repair projects will be documented. In addition, the number of emergency projects and small-scale maintenance/ repair projects completed each year will be tracked.



The Town's Street Sweeper was wrapped with stormwater messages.

Measurable Goal: The street sweeping program to target weekly sweeping of all primary streets will return the greatest benefit of collecting and thus preventing roadway contaminants, sediment and debris, from entering the stormwater collection system. Other streets are swept bi-weekly or at three-week intervals. Sweeping frequency is impacted by inclement weather and equipment downtime. This continues to optimize both the use and effectiveness of the Town single street sweeper and achieves desired results.

The fall leaf collection program, which is normally done in the months of November and December, also minimizes leaf and yard waste from entering the stormwater collection system. In Year Five report, information on the amount of debris collected by the street sweeping program has also been tracked, which was 94 cubic yards. Please see BMP 6-1.

The Town will continue to maintain the street sweeping program and the leaf collection program. This program of collections of roadway contaminants, sediment, debris, leaf, yard waste,

prevents them from entering the Town's storm sewer collection system, and is of aesthetic benefit.

| Reporting Period | Street Sweeping Program | | Fall Leave Collection Program |
|------------------------|-------------------------|-----------------------------------|-------------------------------|
| | Expenses/Wages | Weight Collected/Sediment Removed | |
| 2023 – 2024 (Year One) | \$104,350.00 | 89.91Tons | \$34,351.56 |

TMDL Consistency: The street sweeping program offers the greatest benefit to capture roadway contaminants, debris, and sediment (SED) before entering the Town's storm sewer collection system. The leaf collection program minimizes leaf and yard debris that contaminated with pet waste from entering storm sewer system (EC/FC).

Evaluation and Modification: The leaf collection program minimizes leaf and yard debris that contaminated with pet waste from entering storm sewer system (EC/FC). No changes are planned for this BMP at this time.

BMP B-5: Public Education: Reducing Food Sources Accessible to Wildlife

***Roanoke County's Public Educational Information such as The Annual Stormwater Newsletter is mailed to all Roanoke County's and Town of Vinton's Residences.**

Goal: The goal of this BMP is to incorporate messages into the existing public education program to encourage citizens to reduce food sources accessible to wildlife. This messaging is to help assure that wild animals do not become dependent on people for food, to minimize the potential for spreading disease between people and animals, to minimize property damage, and to minimize the discharge of bacteria-carrying animal waste that may find its way into the nearest storm drainage system.

Responsible Party: The Town's Planning and Zoning Department in cooperation with Roanoke County's Department of Development Services.

Schedule: By July 2020, Town of Vinton/Roanoke County expanded its public education program to encourage citizens to reduce food sources accessible to wildlife. Typical messages in this program have and will include:

- Keep trash cans covered and protected from animals
- Do not feed pets outdoors
- Secure bird feeders from squirrels, bears, and other animals
- Do NOT feed wild animals, including Canadian geese

Measurable Goals: Success for this BMP will be measured by the incorporation of messages into the existing public education program to encourage citizens to reduce food sources accessible to wildlife.

- See page 5 of Roanoke County's Stormwater Guide for Homeowners, dated April 2023, for a pertinent article entitled A Foxy Choice: To Feed or Not to Feed
- See page 11 of Roanoke County Stormwater Newsletter February 2024 for a "Leave No Trace" article that encourages citizens to respect and NOT feed wildlife.
- Stormwater Newsletter April 2023 and February 2024 can be accessed via this link:
<https://www.roanokecountyva.gov/DocumentCenter/View/26228/Stormwater-Newsletter-April-2023?bidId=>

TMDL Consistency: Actions that reduce discharges of *E. coli* are consistent with the TMDL for bacteria. (EC)

Evaluation and Modification: Town of Vinton and Roanoke County find this BMP to be effective and will continue these messages.

BMP B-6. Public Education: Septic System Repair and Maintenance

***Roanoke County implementation and dissemination of the annual stormwater newsletter includes Town residents.**

Goal: The goal of this BMP is to incorporate messages into the existing public education program to encourage citizens to properly maintain their septic systems, because malfunctioning or poorly maintained onsite sewage disposal systems may result in discharges of bacteria from human waste.

Responsible Party: The Town's Planning and Zoning Department in cooperation with Roanoke County's Department of Development Services.

Schedule: By July 2020, Town of Vinton/Roanoke County expanded its public education program to encourage citizens to periodically pump out their septic systems and to keep them properly operating.

Measurable Goals: Success for this BMP will be measured by the incorporation of messages into the existing public education program to encourage citizens to properly maintain and periodically pump out their septic systems. See page 4 of [the February 2024 Stormwater Newsletter](#) for an article about septic systems.

In 2022, Roanoke County partnered with the Roanoke Valley Alleghany-Regional Commission (RVARC) and received grant funding through the Virginia Environmental Endowment's Community Conservation Program (CCP). The awarded funds are being used to implement a "Septic System Education and Pump-out Program" for residents in Roanoke County over a three (3) year period. The grant documents are on the County's CD in the folder titled BMP B-5. The program is currently underway with 72 out of 96 proposed pump-out have been completed.

For more information, see page 4 of the County's Stormwater Newsletter Stormwater Newsletter February 2024 or visit the County's Septic Pump-out web-page: [Septic Pump-Out Program | Roanoke County, VA - Official Website \(roanokecountyva.gov\)](#)

TMDL Consistency: Actions that reduce discharges of *E. coli* are consistent with the TMDL for bacteria. (EC)

Evaluation and Modification: Roanoke County currently incorporate messages in its public education program about the need to periodically pump out septic systems and to keep systems properly operating. The dissemination of this informational brochure includes the Town of Vinton residences. The Town/Roanoke County will continue these messages.

BMP B-7. Business Outreach: Eliminating Illicit Discharges

***Roanoke County dissemination of educational literature includes the Town of Vinton's businesses.**

Goal: The goal of this BMP is to visit targeted businesses that have an elevated potential to discharge bacteria in the conduct of their day-to-day activities and to take corrective actions where illicit discharges are observed.

Responsible Party: The Town's Planning and Zoning Department.

Schedule: The Town's personnel annually conduct site inspections of targeted businesses that have an elevated potential to discharge bacteria, such as veterinary clinics, kennels, pet stores, restaurants, vehicle maintenance shops, and car washing facilities.

Measurable Goals: The Town's personnel will annually conduct site inspections a minimum of 3 selected facilities; Town staff will meet with business owners or managers to discuss ways to minimize illicit discharges in the day-to-day operations at each facility. If an actual or potential illicit discharge is identified, the Town's inspection staff will work with the business owner to eliminate or reduce the risk. Three (3) business operators were visited on June 6, 2024: (1) R&R Automotive Specialist (2) Speedee Oil Change & Auto Service and (3) Buddy's Auto Body Inc. All businesses were given flyer and postcard regarding illicit discharge and proper disposal of the waste – see BMP 1-7.

Additionally, all of the businesses in the target group for bacteria were sent educational literature by Roanoke County's Department of Development Services, in accordance with Table 1-7.1A through 1-7.1C: Stormwater Education Program for Specific Audience.

In addition, the Town's Planning and Zoning Department handed out the applicable brochures to targeted business owners when they are issued a zoning permit by Planning and Zoning Department's personnel, prior to the issuance of the Town's business license.

TMDL Consistency: Actions that reduce discharges of *E. coli* are consistent with the TMDL for bacteria. (EC)

Evaluation and Modification: The Town of Vinton finds this to be an effective means to identify potential or actual illicit discharges. No changes are planned currently for this BMP.

BMP B-8. Enhanced Public Outreach for Bacteria (E. Coli) *

***Please also refer to Roanoke County BMP B-7 since the County Public Outreach information dissemination include the Town of Vinton.**

Goal: The goal of this BMP is to enhance the BMPs used under MCM 1 and MCM 2, where applicable, to ensure that they address bacteria as a high priority water quality issue. This will help to raise awareness of the water quality issues involving *E. coli* (bacteria) in target audiences and the public.

Responsible Party: The Town's Planning and Zoning Department in cooperation with Roanoke County's Department of Development Services, with assistance from the CVC, RVTv, and the Town's and County's web content manager.

Schedule: Town of Vinton will continue to work cooperatively with Roanoke County; Roanoke County has developed a list of public (target) audiences to receive specific messages on an annual basis about ways to reduce *E. coli* (bacteria) pollution in their day-to-day activities.

Measurable Goals: Success for this BMP will be measured by the incorporation of information concerning *E. coli* (bacteria) into the MS4 Program public education and outreach efforts in accordance with Roanoke County's **Figure 7** of the County's TMDL Action Plan for *E. coli*. Also, see the Town of Vinton's **BMP 1-7** in this annual report for a detailed assessment of compliance with goals and complete versions of Tables 1-7.1 through 1-7.4. Note that Table 1-7.1B shows how the Town addresses *E. coli* for certain target audiences and the general public.

For Permit Year 1, a new "Heart of the Rivah" poster encourages citizens to keep the Roanoke River clean by engaging in certain activities, including bagging pet waste. The poster can be accessed by clicking on the following link: [The-Heart-of-Roanoke-County-12x12 \(1800x1800\) \(roanokecountyva.gov\)](http://The-Heart-of-Roanoke-County-12x12 (1800x1800) (roanokecountyva.gov))

TMDL Consistency: The enhanced Public Education and Outreach goals were specifically tailored to address water quality issues related to *E. coli*. (EC)

Evaluation and Modification: Use of messages tailored to address *E. coli* (bacteria) that are focused on the proper target audiences is an effective means to raise awareness, improve individual's actions, and increase support for water quality programs. The Town believes that its current activities in this area are robust, and no modifications are planned for this BMP.

BMP B-9. Enhanced Employee Training for Bacteria (E. Coli)

Goal: The goal of this BMP is to enhance **BMP 6-3** to ensure that it addresses *E. coli* (bacteria) as a high priority water quality issue. This will help to raise awareness of those Town employees that are required to take such training.

Responsible Party: The Town's Planning and Zoning Department in cooperation with the Town's Human Resources/Risk Management Director will provide the appropriate departments

with access to the training materials; each department is responsible to make certain that their employees take and comply with the pertinent training.

Schedule: Employee training will be conducted on a biennial basis. The Town will review the training program on a biennial basis and update it, as needed.

Measurable Goals: Compliance with **BMP 6-3** training goals in the following topics with evidence that *E. coli* (bacteria) will be incorporated into the training material as a high priority water quality issue.

- Recognition and Reporting of Illicit Discharges
- Good Housekeeping and Pollution Prevention Practices
- Contractor Oversight for Environmental Compliance
- Hazardous Materials (HAZ-MAT) Training

This training is performed every two years, pursuant to the MS4 permit requirements, and it was conducted on Year 3. Due to personnel time constraints, no training was performed for last year (2023-2024).

TMDL Consistency: The Enhanced Employee Training was specifically tailored to address ways to reduce *E. coli* (bacteria) in stormwater runoff.

Evaluation and Modification: This training is important to give town employees the understanding that *E. coli* (bacteria) is a high priority water quality issue and that measures shall be implemented, where practical, to reduce its discharge into stormwater. No modifications are planned for this BMP.

C. BMPs to Address Benthic/Sediment

The latest version of the TMDL Action Plan for Bacteria Reduction (*E. coli*), dated April 26, 2021, is posted on the Town's website at:

<https://www.vintonva.gov/DocumentCenter/View/2226/TOV-Sediment-TMDL-Action-Plan-April-26-2021>

This plan was developed to reduce sediment in the Roanoke River. The BMPs that will be used to address sediment are listed below:

| BMP # | BMP Name/Task | Implementation Date |
|-------|--|---------------------|
| S-1 | *Lower Threshold for Compliance – Erosion and Sediment Control (ESC) Program Administered by Roanoke County as the Town's VESMP Authority (See Roanoke County BMP # S-1) | Ongoing |
| S-2 | Town of Vinton MS4 BMP Capital Improvement Program (CIP) | Ongoing |
| S-3 | *Enhanced Public Outreach for Sediment – Roanoke County Public Outreach Include the Town of Vinton | Ongoing |
| S-4 | Enhanced Employee Training for Sediment | Ongoing |
| S-5 | *Contractor Appreciation Program – ESC Program Administered by Roanoke County as the Town's ESC Administrator (See Roanoke County BMP # S-5) | Ongoing |
| S-6 | Public Street Sweeping and Fall Leaf Collection Programs (See BMP B-4) | Ongoing |

Note: *Roanoke County is the Town's Virginia's Erosion and Stormwater Management Program (VESMP) Authority
Roanoke County Public Outreach/Information Dissemination Includes the Town Residences, Business Owners, and/or Active Land Disturbers
(Homeowner/Contractor/Developers)*

BMP S-1. Lower Threshold for Compliance: Erosion & Sediment Control Program

*** The implementation of this MCM and its associated BMPs is the responsibility of Roanoke County Department of Development Services in conjunction with the Town of Vinton Planning and Zoning Department.**

Goal: The goal of this BMP is to reduce the offsite discharge of silt and sediment from construction sites, particularly from smaller sites that disturb less than 10,000 square feet, which is the state's threshold for compliance under the Virginia Erosion & Sediment Control (ESC) Program. This lower threshold has been implemented due to the County's (including Town of Vinton's) steep terrain and highly erodible clay soils.

As discussed in the Roanoke County's/Town's TMDL Action Plan for Sediment Reduction, it was previously estimated that this lower threshold kept approximately 1,680 tons/year of sediment out of the area waterways. However, as noted in the September 2022 version of the Action Plan, Roanoke County revised this estimate using the Chesapeake Bay Program guidance to estimate the sediment removal attributed to the enhanced and rigorous ESC Program (Recommendations of the Expert Panel to Define Removal Rates for Erosion and Sediment Control Practices (2014).

Erosion and sediment control devices are not 100% effective; however, per the Chesapeake Bay Program's estimate, a properly designed and installed set of controls should retain at least 85% of sediment on the construction site. Roanoke County permits and inspects approximately 129 land disturbing activities per year that each disturb less than 10,000 square feet. Cumulatively, these activities disturb approximately 18 acres per year. This estimate excludes projects within the Town of Vinton, where such projects disturb approximately 4,346 sq. ft. (0.1 acre) per year.

Therefore, Roanoke County's lower threshold for compliance keeps approximately 184 tons/year of sediment out of waterways ($12 \text{ tons/acre/year} * 85\% * 18 \text{ acre} = 184 \text{ tons/year}$), within the County.

Respectively, since the County is the Town's ESC Administrator, therefore, using the County's ESC requirement of lower threshold, the Town keeps approximately 1.02 tons/acre/year out of waterways ($12 \text{ tons/acre/year} * 85\% * 0.1 \text{ acre} = 1 \text{ ton/year}$).

Responsible Party: The Town of Vinton's Planning and Zoning Department in cooperation with Roanoke County's Department of Development Services.

Schedule: Roanoke County has been implementing a lower threshold of compliance (2,500 square feet) under its Erosion and Sediment Control Program for many years due to its steep terrain, highly erodible soils, and sediment-impaired waterways.

Measurable Goals: Success for this BMP will be measured by the continued implementation of the County's Erosion and Sediment Control Program using a lower threshold of compliance (i.e., 2,500 sq. ft.).

TMDL Consistency: Actions or activities that reduce discharges of sediment to receiving waters are consistent with the TMDL for sediment. (SED)

Evaluation and Modification: Roanoke County will continue to implement its Erosion and Sediment Control Program using a lower threshold of compliance (i.e., 2,500 square feet). No changes are planned for this BMP.

BMP S-2. Town of Vinton MS4 BMP Capital Improvement Program (CIP)

Goal: The goal of this BMP is to employ capital resources in the most cost-effective means to reduce sediment loads in the Roanoke River.

Responsible Party: The Planning and Zoning Department in cooperation with the Public Works Department.

Schedule: This program is ongoing. The initial Capital Improvement Project was identified in March 2021 for eroded streambank section of Glade Creek. Additionally, a consultant was hired in May 2021. Two eroded outfalls have been identified, inspected and analyzed, and the report dated June 7, 2021, was completed. The Town's consultant recommended that the most cost-effective BMP to reduce sediment discharged from the Town's MS4 would be to stabilize these eroded outfalls. The consultant's recommendation was supported by the reported experiences of other localities.

Measurable Goal: Since the Town believes that stream stabilization is one of the most cost-effective means to lower sediment loads in the Roanoke River, the Town stabilized a section of an eroded streambank along Glade Creek. Additionally, based on the consultant's recommendation of the two eroded drainage sites, a streambank stabilization project has been submitted for the Virginia Stormwater Local Assistance Fund (SLAF). This program also assumes that 50% of the cost will be provided through the Virginia Stormwater Local Assistance Fund (SLAF). Thus, success for this BMP will be measured by the continued funding and implementation of one capital BMP project about every three years.



- 100 linear feet eroded streambank along Glade Creek was stabilized as of December 8, 2020.
- Two eroded drainage sites were inspected and analyzed on June 7, 2021; Woodland Outfall and Hargis Outfall – A VA SLAF grant application was submitted for Woodland Place on July 27, 2021. with Town's fund commitment resolution adopted on July 20, 2021.
- Woodland SLAF grant application was approved on December 22, 2021 and the 50% required matching has been provided with the Town committed CIP.

Woodland Place Eroded Drainage Area

- The Project was substantially completed by end of June 2023 with final native planting completed by end of April 2024.



Woodland Place Stream Restoration Project – Completion, April 2024

Table 1. Total Annual Sediment Loads

| Total Annual Sediment Loads | | | |
|-----------------------------|----------------------------|-------------------------------|---------------------------|
| | Existing Reach Length (ft) | Annual Sediment Load (ton/yr) | Sediment Load (ton/ft/yr) |
| Woodland Outfall | 685 | 952 | 1.39 |
| TOTALS | 685 | 952 | 1.39 |

Table 2. Total Pollutant Load Reductions via Stream Restoration Project (lbs/year)

| Pollutant Load Reductions | | | |
|---------------------------|---|---------------------------------------|---|
| | Total Phosphorus Load Reduction (lb/yr) | Total Nitrogen Load Reduction (lb/yr) | Total Suspended Solids Load Reduction (lb/yr) |
| | 85% RE | 85% RE | 85% RE |
| Protocol 1 | 849.4 | 1,925.4 | 1,617,971.8 |
| Protocol 2 | --- | 4.3 | --- |
| TOTALS | 849 | 1,930 | 1,617,972 |

TMDL Consistency: Structural BMPs that reduce discharges of sediment to receiving waters are consistent with the TMDL for sediment. (SED)

Evaluation and Modification: Town of Vinton will continue to implement its MS4 BMP Capital Improvement Program. No modifications are planned for this BMP.

BMP S-3. Enhanced Public Outreach for Sediment

***Roanoke County implementation and dissemination of public education that include the annual stormwater newsletter, PSAs, brochures, etc., includes Town residents and business owners.**

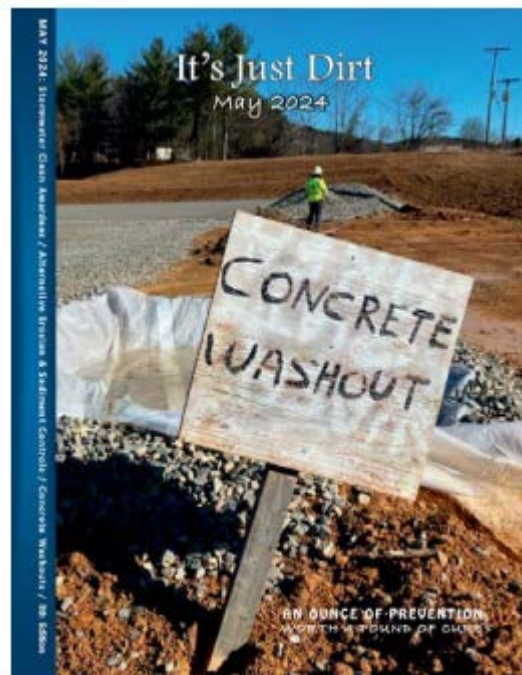
Goal: The goal of this BMP is to enhance the BMPs used under MCM 1 and MCM 2, where applicable, to ensure that they address sediment as a high priority water quality issue. This will help to raise awareness of the water quality issues involving sediment in target audiences and the general public.

Responsible Party: The Town's Planning and Zoning Department in cooperation with Roanoke County's Department of Development Services, with assistance from the CVC, RVTv, and the Town/County's web content manager.

Schedule: The Town and Roanoke County have developed a list of public (target) audiences to receive specific messages on an annual basis about ways to reduce sediment pollution in their day-to-day activities.

Measurable Goals: Success for this BMP will be measured by the incorporation of information concerning sediment into the County's public education and outreach efforts. For example, an annual newsletter entitled *It's Just Dirt* is directed at land disturbing contractors and developers across the region and is mailed to approximately 500 firms each year by Roanoke County. Its primary purpose is to educate contractors about ways to reduce sediment pollution from their active land-disturbing projects. In addition, a message regarding sediment reduction was included on page 7 in the County's Stormwater Newsletter "A Stormwater Guide for Homeowners," dated April 2023. The newsletter is posted on the stormwater website. Please click the following link to access it:

<https://www.roanokecountyva.gov/DocumentCenter/View/26228/Stormwater-Newsletter-April-2023?bidId=>



Contractor Newsletter - It's Just Dirt 2024

In addition, the County created a new Construction General Permit Fact Sheet to make contractors aware of DEQ's new turbidity monitoring requirements for construction dewatering discharges into sediment-impaired waters (i.e., Mason Creek, Mudlick Creek, Roanoke River, or within the Chesapeake Bay Watershed). The County ESC/SWM inspector includes this Fact Sheet as an attachment to every ESC/SWM inspection report for each active construction project, and both documents are mailed or emailed to the site operator. This effort began late in the permit year; and approximately 200 Fact Sheets were distributed. See Roanoke County's folder titled BMP S-3 in the appendix of this report to view the Fact Sheet. It is also posted online:

<https://www.roanokecountyva.gov/DocumentCenter/View/29745/Construction-General-Permit-FACTS-2024-rev?bidId=>

See BMP 1-7 of the County's report for a detailed assessment of compliance with goals. Note that Table 1-7a shows how the County addresses sediment for certain target audiences and the general public.

TMDL Consistency: The enhanced Public Education and Outreach goals were specifically tailored to address water quality issues related to sediment. (SED)

Evaluation and Modification: Use of messages tailored to address benthic/sediment that are focused on the proper target audiences is an effective means to raise awareness, improve individual's actions, and increase support for water quality programs. The Town believes that its current activities in this area are robust, and no modifications are planned for this BMP.

BMP S-4. Enhanced Employee Training for Sediment

Goal: The goal of this BMP is to enhance **BMP 6-3** to ensure that it addresses sediment as a high priority water quality issue. This will help to raise awareness of those Town employees (Public Works Department) that are required to take such training.

Responsible Party: The Planning and Zoning Department in cooperation with Human Resources/Risk Management Director and Public Works Department. The appropriate departments with access to the training materials; each department is responsible to make certain that their employees take and comply with the pertinent training.

Schedule: Employee training will be conducted on a biennial basis. The Town will review the training program on a biennial basis and update it, as needed.

Measurable Goals: Compliance with **BMP 6-3** training goals in the following topics with evidence that sediment has been incorporated into the training material as a high priority water quality issue.

- Recognition and Reporting of Illicit Discharges
- Good Housekeeping and Pollution Prevention Practices
- Contractor Oversight for Environmental Compliance
- Hazardous Materials (HAZ-MAT) Training

This training is performed every two years, pursuant to the MS4 permit requirements, which was done for Year Four reporting, in which the Town had 62 employees, and 54 employees completed the training.

TMDL Consistency: The Enhanced Employee Training was specifically tailored to address ways to reduce sediment in stormwater runoff. (SED)

Evaluation and Modification: This training is important to give Town employees the understanding that sediment is a high priority water quality issue and that measures shall be implemented, where practical, to reduce its discharge into stormwater. No modifications are planned for this BMP.

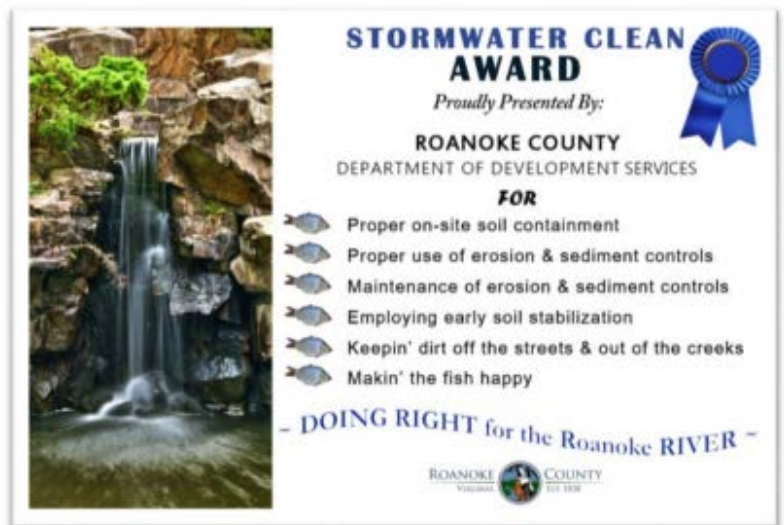
BMP S-5. Contractor Appreciation Program

*** The implementation of this MCM and its associated BMPs is the responsibility of Roanoke County's Department of Development Services in cooperation with the Town of Vinton's Planning and Zoning Department.**

Goal: To reduce discharge of sediment from construction sites.

Responsible Party: The Town of Vinton's Planning and Zoning Department in cooperation with Roanoke County's Department of Development Services, with the assistance from the County's Public Information Officer (PIO).

Schedule: Roanoke County has implemented the Contractor Appreciation Program to recognize those contractors that are proactive in implementing erosion and sediment controls and employing stormwater management measures to "keep their dirt on their project."



Measurable Goals: Success for this BMP will be measured by the continued implementation of the Contractor Appreciation Program. In this permit year, two firms earned the Stormwater Clean Award for their exceptional projects: Appalachian Power's Regional Distribution Center at 1810 Loch Haven Drive in Salem, VA and Frame to Finish Construction LLC's project at 5266 West River Road, also in Salem, VA.

For specific details about these projects and the program, click here:

<https://www.roanokecountyva.gov/1780/Stormwater-Contractor-Appreciation>

or Roanoke County's Document Center via the link below:

<https://www.roanokecountyva.gov/DocumentCenter/Index/1950>



Frame to Finish Construction, LLC won the Stormwater Clean Award for impressive environmental work at 5266 West River Road.

TMDL Consistency: Actions that result in lowering the discharge of sediment from construction sites are consistent with the TMDL (SED).

Evaluation and Modification: The Town and County believe that this program is very effective in raising awareness among contractors to ‘do the right thing’ by keeping their dirt on their projects and out of the local receiving waters. It gives staff an opportunity to work with the Contractors in a positive way and provides the recipient contractors with positive and free publicity for their projects. No modifications are planned for this BMP.

BMP S-6. Public Street Sweeping and Fall Leaf Collection Programs

Goal: The goal for this program is for the Town to maintain an effective street sweeping and the fall leaf collection programs.

Responsible Party: The Town's Planning and Zoning Department in cooperation with the Town's Public Works Department.

Schedule: The Town implements and is committed to continuing its public street sweeping and the leaf collection program storm sewer (drainage) system maintenance program. The number of large stormwater maintenance/repair projects will be documented. In addition, the number of emergency projects and small-scale maintenance/ repair projects completed each year will be tracked.



Measurable Goal: The street sweeping program to target weekly sweeping of all primary streets will return the greatest benefit of collecting and thus preventing roadway contaminants, sediment and debris, from entering the stormwater collection system. Other streets are swept bi-weekly or at three-week intervals. Sweeping frequency is impacted by inclement weather and equipment downtime. This continues to optimize both the use and effectiveness of the Town single street sweeper and achieves desired results.

The fall leaf collection program, which is normally done in the months of November and December, also minimizes leaf and yard waste from entering the stormwater collection system. In Year One report, information on the amount of debris collected by the street sweeping program has also been tracked, which was **89.91 tons**. Please see BMP 6-1.

The Town will continue to maintain the street sweeping program and the leaf collection program. This program of collections of roadway contaminants, sediment, debris, leaf, yard waste, prevents them from entering the Town's storm sewer collection system, and is of aesthetic benefit.

| Reporting Period | Street Sweeping Program | | Fall Leave Collection Program |
|------------------------|-------------------------|-----------------------------------|-------------------------------|
| | Expenses/Wages | Weight Collected/Sediment Removed | |
| 2023 – 2024 (Year One) | \$104,350.00 | 89.91 Tons | \$34,351.56 |

Please see the table above for the amount of sediment removed by street sweeping from July 1, 2023, through June 30, 2024.

TMDL Consistency: The street sweeping program offers the greatest benefit to capture roadway contaminants, debris, and sediment (SED) before entering the Town’s storm sewer collection system. The leaf collection program minimizes leaf and yard debris that contaminated with pet waste from entering storm sewer system (EC/FC).

Evaluation and Modification: The leaf collection program minimizes leaf and yard debris that contaminated with pet waste from entering storm sewer system (EC/FC). No changes are planned for this BMP at this time.

SECTION III. SUPPORTING DOCUMENTS

1. **MCM 3: BMP. 3-1: The Town of Vinton's MS4 Public-Owned SWMFs and Outfalls Map for Year 1.**
2. **MCM 3: BMP 3-1: The Town of Vinton's MS4 Storm Sewer Outfalls Table for Year 1.**
3. **MCM 3: BMP 3-3: Property Owner/Business Owner Illicit Discharge Courtesy Notice of regarding Pet Feces on sidewalks in your neighborhood Letter for Year 1.**
4. **MCM 4 and MCM 5: BMP 4-1 to BMP 4-5 and BMP 5-1 to BMP 5-4: Ordinance No. 1060 adopt Roanoke County's Consolidated Erosion and Stormwater Management Program Ordinance.**
5. **MCM 4 and MCM 5: BMP 4-1 to BMP 4-5 and BMP 5-1 to BMP 5-4: Resolution No. 2612 to enter a Memorandum of Understanding (MOU) with Roanoke County for the County to act as Virginia Erosion and Stormwater Management Program (VESMP) Authority for the Town of Vinton.**
6. **MCM 5: BMP 5-2: Town of Vinton/Public-Owned SWMFs/BMPs Inspection Reports for Year 1.**
7. **MCM 5: BMP 5-3: Table of the Stormwater Management Facilities (SWMFs/BMPs) that are Located within the Town of Vinton that Discharge to MS4 for Year 1.**
8. **MCM 6: BMP 6-4: Town of Vinton's Facilities SWPPPs Inspection Reports for Year One.**

MCM 3: Illicit Discharge Detection and Elimination

Vinton's MS4 Area: Updated Outfalls and Publicly-Owned BMPs by the Town of Vinton/Roanoke County

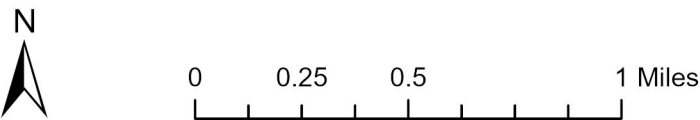
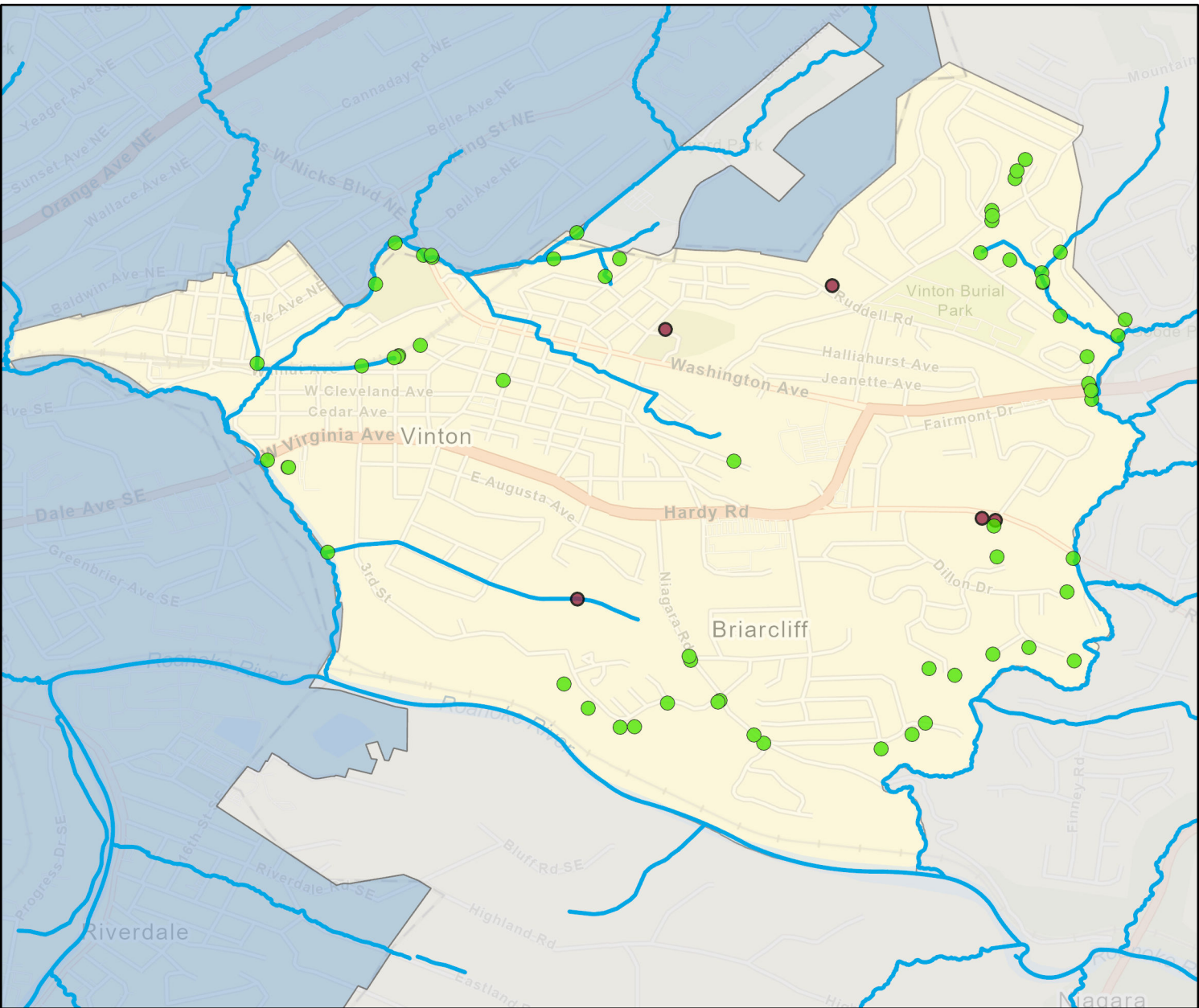


Legend

- Publicly-Owned BMP's
- TOV Outfalls
- Roanoke County
- Roanoke City
- Town of Vinton
- Receiving Waters

Overview

As part of its Stormwater management program, the Town of Vinton recently assessed and updated the outfall structures within its MS4 Area. Prior to the assessment, there were 73 outfall structures identified in the area, but after a thorough inspection, the number was revised to 64. The map shows the spatial distribution of the outfall structures in the MS4 Area.



| Outfall ID | Latitude | Longitude | Drainage Area(ac) | Receiving Waters | HUC12 | Impairment | Site Type | TMDLs |
|-----------------|-----------|------------|-------------------|------------------|-------------|--|-----------------|---|
| 0672-48-7237-37 | 37.279287 | -79.903007 | 32.00 | Glade Creek | 30101010403 | Escherichia coli | Commercial | Bacteria (E. Coli) - Tinker Creek |
| 0672-58-1339-68 | 37.279635 | -79.901627 | 0.62 | Glade Creek | 30101010403 | Escherichia coli | Commercial | Bacteria (E. Coli) - Tinker Creek |
| 0672-58-1471-73 | 37.279678 | -79.901486 | 0.61 | Glade Creek | 30101010403 | Escherichia coli | Commercial | Bacteria (E. Coli) - Tinker Creek |
| 0672-58-1493-32 | 37.279752 | -79.901435 | 74.76 | Glade Creek | 30101010403 | Escherichia coli | Industrial | Bacteria (E. Coli) - Tinker Creek |
| 0672-58-4568-09 | 37.280174 | -79.900523 | 5.94 | Glade Creek | 30101010403 | Escherichia coli | Industrial | Bacteria (E. Coli) - Tinker Creek |
| 0672-68-4083-20 | 37.278684 | -79.89703 | 0.19 | Glade Creek | 30101010403 | Escherichia coli | Institutional | Bacteria (E. Coli) - Tinker Creek |
| 0673-70-4209-41 | 37.284932 | -79.893934 | 4.406254 | Glade Creek | 30101010403 | Escherichia coli | Wooded | Bacteria (E. Coli) - Tinker Creek |
| 0682-39-1414-10 | 37.282818 | -79.874273 | 19.71 | Wolf Creek | 30101011103 | Benthic-Macroinvertebrate Bioassessments, Escherichia coli, Mercury in Fish Tissue, PCB in Fish Tissue, PCB in Water Column, Temperature | Suburban Res | Sediment and Bacteria (E. Coli) - Roanoke River Watershed |
| 0682-48-1815-22 | 37.28125 | -79.870808 | 5.271325 | Wolf Creek | 30101011103 | Benthic-Macroinvertebrate Bioassessments, Escherichia coli, Mercury in Fish Tissue, PCB in Fish Tissue, PCB in Water Column, Temperature | Wooded | Sediment and Bacteria (E. Coli) - Roanoke River Watershed |
| 8947-16-4136-68 | 37.266855 | -79.872947 | 1.745599 | Wolf Creek | 30101011103 | Benthic-Macroinvertebrate Bioassessments, Escherichia coli, Mercury in Fish Tissue, PCB in Fish Tissue, PCB in Water Column, Temperature | Ultra-Urban Res | Sediment and Bacteria (E. Coli) - Roanoke River Watershed |
| 8947-16-4297-24 | 37.271188 | -79.873002 | 14.580869 | Wolf Creek | 30101011103 | Benthic-Macroinvertebrate Bioassessments, Escherichia coli, Mercury in Fish Tissue, PCB in Fish Tissue, PCB in Water Column, Temperature | Suburban Res | Sediment and Bacteria (E. Coli) - Roanoke River Watershed |
| 8947-16-4577-15 | 37.269764 | -79.873257 | 3.595025 | Wolf Creek | 30101011103 | Benthic-Macroinvertebrate Bioassessments, Escherichia coli, Mercury in Fish Tissue, PCB in Fish Tissue, PCB in Water Column, Temperature | Suburban Res | Sediment and Bacteria (E. Coli) - Roanoke River Watershed |
| 8947-16-6344-07 | 37.267421 | -79.874864 | 2.784776 | Wolf Creek | 30101011103 | Benthic-Macroinvertebrate Bioassessments, Escherichia coli, Mercury in Fish Tissue, PCB in Fish Tissue, PCB in Water Column, Temperature | Ultra-Urban Res | Sediment and Bacteria (E. Coli) - Roanoke River Watershed |
| 8947-16-7898-04 | 37.271255 | -79.876214 | 1.498538 | Wolf Creek | 30101011103 | Benthic-Macroinvertebrate Bioassessments, Escherichia coli, Mercury in Fish Tissue, PCB in Fish Tissue, PCB in Water Column, Temperature | Ultra-Urban Res | Sediment and Bacteria (E. Coli) - Roanoke River Watershed |
| 8947-16-7940-89 | 37.267148 | -79.876379 | 2.784776 | Wolf Creek | 30101011103 | Benthic-Macroinvertebrate Bioassessments, Escherichia coli, Mercury in Fish Tissue, PCB in Fish Tissue, PCB in Water Column, Temperature | Ultra-Urban Res | Sediment and Bacteria (E. Coli) - Roanoke River Watershed |
| 8947-16-9728-93 | 37.266247 | -79.878002 | 0.846765 | Wolf Creek | 30101011103 | Benthic-Macroinvertebrate Bioassessments, Escherichia coli, Mercury in Fish Tissue, PCB in Fish Tissue, PCB in Water Column, Temperature | Ultra-Urban Res | Sediment and Bacteria (E. Coli) - Roanoke River Watershed |
| 8947-17-3391-62 | 37.277889 | -79.872229 | 38.572291 | Wolf Creek | 30101011103 | Benthic-Macroinvertebrate Bioassessments, Escherichia coli, Mercury in Fish Tissue, PCB in Fish Tissue, PCB in Water Column, Temperature | Open Area | Sediment and Bacteria (E. Coli) - Roanoke River Watershed |
| 8947-17-3396-83 | 37.278254 | -79.872243 | 35.012042 | Wolf Creek | 30101011103 | Benthic-Macroinvertebrate Bioassessments, Escherichia coli, Mercury in Fish Tissue, PCB in Fish Tissue, PCB in Water Column, Temperature | Open Area | Sediment and Bacteria (E. Coli) - Roanoke River Watershed |
| 8947-17-3499-61 | 37.278454 | -79.872313 | 35.012042 | Wolf Creek | 30101011103 | Benthic-Macroinvertebrate Bioassessments, Escherichia coli, Mercury in Fish Tissue, PCB in Fish Tissue, PCB in Water Column, Temperature | Suburban Res | Sediment and Bacteria (E. Coli) - Roanoke River Watershed |
| 8947-17-7916-64 | 37.272548 | -79.876355 | 45.646939 | Wolf Creek | 30101011103 | Benthic-Macroinvertebrate Bioassessments, Escherichia coli, Mercury in Fish Tissue, PCB in Fish Tissue, PCB in Water Column, Temperature | Suburban Res | Sediment and Bacteria (E. Coli) - Roanoke River Watershed |
| 8947-18-2128-18 | 37.280577 | -79.871106 | 5.271325 | Wolf Creek | 30101011103 | Benthic-Macroinvertebrate Bioassessments, Escherichia coli, Mercury in Fish Tissue, PCB in Fish Tissue, PCB in Water Column, Temperature | Open Area | Sediment and Bacteria (E. Coli) - Roanoke River Watershed |
| 8947-18-3400-96 | 37.278561 | -79.872343 | 7.100282 | Wolf Creek | 30101011103 | Benthic-Macroinvertebrate Bioassessments, Escherichia coli, Mercury in Fish Tissue, PCB in Fish Tissue, PCB in Water Column, Temperature | Suburban Res | Sediment and Bacteria (E. Coli) - Roanoke River Watershed |
| 8947-18-3516-73 | 37.279686 | -79.872411 | 3.539314 | Wolf Creek | 30101011103 | Benthic-Macroinvertebrate Bioassessments, Escherichia coli, Mercury in Fish Tissue, PCB in Fish Tissue, PCB in Water Column, Temperature | Suburban Res | Sediment and Bacteria (E. Coli) - Roanoke River Watershed |
| 8947-18-4840-23 | 37.281403 | -79.87354 | 4.149233 | Wolf Creek | 30101011103 | Benthic-Macroinvertebrate Bioassessments, Escherichia coli, Mercury in Fish Tissue, PCB in Fish Tissue, PCB in Water Column, Temperature | Suburban Res | Sediment and Bacteria (E. Coli) - Roanoke River Watershed |
| 8947-18-4877-29 | 37.284091 | -79.873538 | 1.440955 | Wolf Creek | 30101011103 | Benthic-Macroinvertebrate Bioassessments, Escherichia coli, Mercury in Fish Tissue, PCB in Fish Tissue, PCB in Water Column, Temperature | Suburban Res | Sediment and Bacteria (E. Coli) - Roanoke River Watershed |
| 8947-18-5660-67 | 37.28286 | -79.874292 | 19.70875 | Wolf Creek | 30101011103 | Benthic-Macroinvertebrate Bioassessments, Escherichia coli, Mercury in Fish Tissue, PCB in Fish Tissue, PCB in Water Column, Temperature | Suburban Res | Sediment and Bacteria (E. Coli) - Roanoke River Watershed |
| 8947-18-5766-10 | 37.283238 | -79.874336 | 5.245754 | Wolf Creek | 30101011103 | Benthic-Macroinvertebrate Bioassessments, Escherichia coli, Mercury in Fish Tissue, PCB in Fish Tissue, PCB in Water Column, Temperature | Suburban Res | Sediment and Bacteria (E. Coli) - Roanoke River Watershed |
| 8947-18-7173-94 | 37.283766 | -79.875667 | 0.439232 | Wolf Creek | 30101011103 | Benthic-Macroinvertebrate Bioassessments, Escherichia coli, Mercury in Fish Tissue, PCB in Fish Tissue, PCB in Water Column, Temperature | Suburban Res | Sediment and Bacteria (E. Coli) - Roanoke River Watershed |
| 8947-18-8096-55 | 37.285417 | -79.876441 | 4.260951 | Wolf Creek | 30101011103 | Benthic-Macroinvertebrate Bioassessments, Escherichia coli, Mercury in Fish Tissue, PCB in Fish Tissue, PCB in Water Column, Temperature | Suburban Res | Sediment and Bacteria (E. Coli) - Roanoke River Watershed |
| 8947-18-8099-27 | 37.285646 | -79.876408 | 4.260951 | Wolf Creek | 30101011103 | Benthic-Macroinvertebrate Bioassessments, Escherichia coli, Mercury in Fish Tissue, PCB in Fish Tissue, PCB in Water Column, Temperature | Suburban Res | Sediment and Bacteria (E. Coli) - Roanoke River Watershed |
| 8947-18-8577-89 | 37.284086 | -79.876916 | 29.592608 | Wolf Creek | 30101011103 | Benthic-Macroinvertebrate Bioassessments, Escherichia coli, Mercury in Fish Tissue, PCB in Fish Tissue, PCB in Water Column, Temperature | Suburban Res | Sediment and Bacteria (E. Coli) - Roanoke River Watershed |
| 8947-19-6432-76 | 37.288001 | -79.875018 | 22.05147 | Wolf Creek | 30101011103 | Benthic-Macroinvertebrate Bioassessments, Escherichia coli, Mercury in Fish Tissue, PCB in Fish Tissue, PCB in Water Column, Temperature | Suburban Res | Sediment and Bacteria (E. Coli) - Roanoke River Watershed |
| 8947-19-6826-72 | 37.287539 | -79.875376 | 1.758363 | Wolf Creek | 30101011103 | Benthic-Macroinvertebrate Bioassessments, Escherichia coli, Mercury in Fish Tissue, PCB in Fish Tissue, PCB in Water Column, Temperature | Suburban Res | Sediment and Bacteria (E. Coli) - Roanoke River Watershed |
| 8947-19-6921-55 | 37.287209 | -79.875453 | 2.200707 | Wolf Creek | 30101011103 | Benthic-Macroinvertebrate Bioassessments, Escherichia coli, Mercury in Fish Tissue, PCB in Fish Tissue, PCB in Water Column, Temperature | Suburban Res | Sediment and Bacteria (E. Coli) - Roanoke River Watershed |
| 8947-19-8002-46 | 37.285857 | -79.876427 | 28.16146 | Wolf Creek | 30101011103 | Benthic-Macroinvertebrate Bioassessments, Escherichia coli, Mercury in Fish Tissue, PCB in Fish Tissue, PCB in Water Column, Temperature | Suburban Res | Sediment and Bacteria (E. Coli) - Roanoke River Watershed |
| 8947-25-1793-84 | 37.263752 | -79.879792 | 7.994131 | Wolf Creek | 30101011103 | Benthic-Macroinvertebrate Bioassessments, Escherichia coli, Mercury in Fish Tissue, PCB in Fish Tissue, PCB in Water Column, Temperature | Suburban Res | Sediment and Bacteria (E. Coli) - Roanoke River Watershed |
| 8947-25-3284-49 | 37.263148 | -79.881098 | 8.156737 | Wolf Creek | 30101011103 | Benthic-Macroinvertebrate Bioassessments, Escherichia coli, Mercury in Fish Tissue, PCB in Fish Tissue, PCB in Water Column, Temperature | Suburban Res | Sediment and Bacteria (E. Coli) - Roanoke River Watershed |
| 8947-25-788-43 | 37.263385 | -79.886038 | 8.248508 | Roanoke River | 30101010404 | Benthic-Macroinvertebrate Bioassessments, Escherichia coli, Mercury in Fish Tissue, PCB in Fish Tissue, PCB in Water Column, Temperature | Suburban Res | Sediment and Bacteria (E. Coli) - Roanoke River Watershed |
| 8947-25-9293-11 | 37.263733 | -79.886466 | 7.12162 | Roanoke River | 30101010404 | Benthic-Macroinvertebrate Bioassessments, Escherichia coli, Mercury in Fish Tissue, PCB in Fish Tissue, PCB in Water Column, Temperature | Suburban Res | Sediment and Bacteria (E. Coli) - Roanoke River Watershed |
| 8947-26-0932-84 | 37.266538 | -79.879073 | 11.161464 | Wolf Creek | 30101011103 | Benthic-Macroinvertebrate Bioassessments, Escherichia coli, Mercury in Fish Tissue, PCB in Fish Tissue, PCB in Water Column, Temperature | Ultra-Urban Res | Sediment and Bacteria (E. Coli) - Roanoke River Watershed |
| 8947-26-1100-51 | 37.264232 | -79.879221 | 2.731258 | Wolf Creek | 30101011103 | Benthic-Macroinvertebrate Bioassessments, Escherichia coli, Mercury in Fish Tissue, PCB in Fish Tissue, PCB in Water Column, Temperature | Suburban Res | Sediment and Bacteria (E. Coli) - Roanoke River Watershed |
| 8947-35-4898-10 | 37.264079 | -79.891493 | 0.379319 | Roanoke River | 30101010404 | Benthic-Macroinvertebrate Bioassessments, Escherichia coli, Mercury in Fish Tissue, PCB in Fish Tissue, PCB in Water Column, Temperature | Suburban Res | Sediment and Bacteria (E. Coli) - Roanoke River Watershed |
| 8947-35-5597-08 | 37.264065 | -79.892113 | 5.077591 | Roanoke River | 30101010404 | Benthic-Macroinvertebrate Bioassessments, Escherichia coli, Mercury in Fish Tissue, PCB in Fish Tissue, PCB in Water Column, Temperature | Open Area | Sediment and Bacteria (E. Coli) - Roanoke River Watershed |
| 8947-36-0813-04 | 37.265183 | -79.887888 | 15.324472 | Roanoke River | 30101010404 | Benthic-Macroinvertebrate Bioassessments, Escherichia coli, Mercury in Fish Tissue, PCB in Fish Tissue, PCB in Water Column, Temperature | Suburban Res | Sediment and Bacteria (E. Coli) - Roanoke River Watershed |
| 8947-36-0912-06 | 37.265123 | -79.887984 | 15.324472 | Roanoke River | 30101010404 | Benthic-Macroinvertebrate Bioassessments, Escherichia coli, Mercury in Fish Tissue, PCB in Fish Tissue, PCB in Water Column, Temperature | Suburban Res | Sediment and Bacteria (E. Coli) - Roanoke River Watershed |
| 8947-36-2137-72 | 37.266883 | -79.889121 | 2.601863 | Tinker Creek | 30101010403 | Escherichia coli | Suburban Res | Bacteria (E. Coli) - Tinker Creek |
| 8947-36-2239-56 | 37.267057 | -79.889193 | 2.601863 | Tinker Creek | 30101010403 | Escherichia coli | Suburban Res | Bacteria (E. Coli) - Tinker Creek |
| 8947-36-3211-69 | 37.265078 | -79.890106 | 2.070479 | Roanoke River | 30101010404 | Benthic-Macroinvertebrate Bioassessments, Escherichia coli, Mercury in Fish Tissue, PCB in Fish Tissue, PCB in Water Column, Temperature | Suburban Res | Sediment and Bacteria (E. Coli) - Roanoke River Watershed |
| 8947-36-6909-80 | 37.264867 | -79.893446 | 7.109248 | Roanoke River | 30101010404 | Benthic-Macroinvertebrate Bioassessments, Escherichia coli, Mercury in Fish Tissue, PCB in Fish Tissue, PCB in Water Column, Temperature | Suburban Res | Sediment and Bacteria (E. Coli) - Roanoke River Watershed |
| 8947-36-8123-24 | 37.265894 | -79.894468 | 4.91443 | Roanoke River | 30101010404 | Benthic-Macroinvertebrate Bioassessments, Escherichia coli, Mercury in Fish Tissue, PCB in Fish Tissue, PCB in Water Column, Temperature | Suburban Res | Sediment and Bacteria (E. Coli) - Roanoke River Watershed |
| 8947-37-0154-67 | 37.275286 | -79.887314 | 2.925466 | Glade Creek | 30101010403 | Escherichia coli | Suburban Res | Bacteria (E. Coli) - Tinker Creek |
| 8947-38-5574-20 | 37.283809 | -79.892128 | 0.850021 | Glade Creek | 30101010403 | Escherichia coli | Suburban Res | Bacteria (E. Coli) - Tinker Creek |
| 8947-38-6163-89 | 37.28309 | -79.892729 | 96.681538 | Glade Creek | 30101010403 | Escherichia coli | Suburban Res | Bacteria (E. Coli) - Tinker Creek |
| 8947-38-8674-02 | 37.283827 | -79.894902 | 0.71885 | Glade Creek | 30101010403 | Escherichia coli | Suburban Res | Bacteria (E. Coli) - Tinker Creek |
| 8947-47-9201-11 | 37.271451 | -79.904431 | 274.95838 | Tinker Creek | 30101010403 | Escherichia coli | Industrial | Bacteria (E. Coli) - Tinker Creek |
| 8947-48-4375-11 | 37.283888 | -79.900026 | 262.014807 | Glade Creek | 30101010403 | Escherichia coli | Wooded | Bacteria (E. Coli) - Tinker Creek |
| 8947-48-4376-63 | 37.283974 | -79.90007 | 4.820003 | Glade Creek | 30101010403 | Escherichia coli | Wooded | Bacteria (E. Coli) - Tinker Creek |
| 8947-48-4776-32 | 37.283969 | -79.900402 | 4.820003 | Glade Creek | 30101010403 | Escherichia coli | Open Area | Bacteria (E. Coli) - Tinker Creek |
| 8947-48-6083-46 | 37.284497 | -79.901585 | 126.43306 | Glade Creek | 30101010403 | Escherichia coli | Open Area | Bacteria (E. Coli) - Tinker Creek |
| 8947-48-6959-62 | 37.282754 | -79.902411 | 126.43306 | Glade Creek | 30101010403 | Escherichia coli | Wooded | Bacteria (E. Coli) - Tinker Creek |
| 8947-57-1051-52 | 37.27503 | -79.906086 | 24.731113 | Tinker Creek | 30101010403 | Escherichia coli | Open Area | Bacteria (E. Coli) - Tinker Creek |
| 8947-57-1051-72 | 37.275024 | -79.906105 | 24.731113 | Tinker Creek | 30101010403 | Escherichia coli | Open Area | Bacteria (E. Coli) - Tinker Creek |
| 8947-57-2055-55 | 37.275339 | -79.906985 | 0.544956 | Tinker Creek | 30101010403 | Escherichia coli | Wooded | Bacteria (E. Coli) - Tinker Creek |
| 8947-58-2512-34 | 37.279409 | -79.907417 | 126.43306 | Glade Creek | 30101010403 | Escherichia coli | Suburban Res | Bacteria (E. Coli) - Tinker Creek |



Town of Vinton
311 S. Pollard Street
Vinton, VA 24179
Phone (540) 983-0605
Fax (540) 983-0621

**Planning & Zoning
Department**

Date: March 25, 2024

Re: COURTESY NOTICE REGARDING PET FECES ON SIDEWALKS IN YOUR NEIGHBORHOOD

Dear Property Owner(s):

Vinton is a great place to live, work and play. In order to preserve those characteristics, the Town has established specific ordinances, which are designed to:

- Help protect the public health and safety and establish minimum standards for development within the community.
- Regulate the size and type of buildings, fences, garages, etc. that can be placed on a lot.
- Set standards for property owners to maintain their properties in good condition.

Recently, the Planning and Zoning Office has received reports concerning the presence of pet feces on the sidewalks in your neighborhood. While identifying the exact source of this issue can be challenging, it is essential to inform all property owners and residents within the vicinity.

The Town of Vinton places significant emphasis on enhancing the quality of our stormwater runoff. As part of this endeavor, we are dedicated to educating our community about stormwater regulations and best practices.

Stormwater runoff refers to precipitation, such as rain or melted snow, that flows over the ground surface. During its journey, it can accumulate debris, chemicals, dirt, and other pollutants before entering storm sewer systems or water bodies like streams and creeks. It is crucial to note that anything entering the storm sewer system is discharged untreated into our water bodies, which are vital for recreational activities, fishing, and even drinking water.

Therefore, the accumulation of dog feces on sidewalks poses a significant risk of water pollution, as these pollutants can ultimately find their way into our waterways.

Considering this concern, we kindly request all residents and property owners to ensure responsible pet ownership by promptly cleaning up after their pets. By doing so, you contribute to preserving the cleanliness of our sidewalks and protecting the environmental integrity of our water resources.

Thank you for your attention to this matter and your cooperation in maintaining a clean and healthy community.

Sincerely,

Fayula Gordon
Associate Planner/Code Enforcement Officer

cc: Anita McMillan, Planning and Zoning Director
Nathaniel McClung, Assistant Planning and Zoning Director

MCM 4: CONSTRUCTION SITE RUNOFF CONTROL

ORDINANCE NO. 1060

AT A REGULAR MEETING OF THE VINTON TOWN COUNCIL, HELD ON TUESDAY, SEPTEMBER 17, 2024, AT 6:00 P.M., IN THE COUNCIL CHAMBERS OF THE VINTON MUNICIPAL BUILDING, 311 SOUTH POLLARD STREET, VINTON, VIRGINIA.

AN ORDINANCE AMENDING CHAPTER 79, STORMWATER MANAGEMENT, OF THE VINTON TOWN CODE, TO ADOPT ROANOKE COUNTY'S CONSOLIDATED EROSION AND STORMWATER MANAGEMENT PROGRAM ORDINANCE WHICH SHALL BE APPLICABLE WITHIN THE CORPORATE LIMITS OF THE TOWN OF VINTON AND DESIGNATING ROANOKE COUNTY AS THE VIRGINIA EROSION AND STORMWATER MANAGEMENT PROGRAM AUTHORITY WITHIN THE CORPORATE LIMITS OF THE TOWN.

WHEREAS, on May 20, 2014, the Vinton Town Council adopted an ordinance to establish Chapter 79 – Stormwater Management, to comply with the Virginia Stormwater Management (SWM) Act, Virginia Stormwater Management Program (VSMP) and Virginia Erosion and Sediment Control Program (VESCP) regulations. As of July 1, 2014, the Town of Vinton became the local VSMP Authority; and

WHEREAS, on April 5, 2016, the Vinton Town Council adopted Resolution No. 2136 for the Interim Town Manager to enter and execute a Memorandum of Understanding (MOU) with Roanoke County for the County to act as the Town's VSMP Authority and to continue to be the Town's VESCP Authority. The MOU was signed by both parties on March 1, 2016, and April 8, 2016, respectively; and

WHEREAS, on April 19, 2016, Vinton Town Council amended Chapter 79 of the Town of Vinton Code adopting the Roanoke County's Stormwater Management and Erosion and Sediment Control ordinances, including all the required regulatory changes adopted by the Commonwealth of Virginia and designating the County as the Town's Virginia Stormwater Management Program (VSMP) and Virginia Erosion and Sediment Control Program (VESCP) Authority within the corporate limits of the Town of Vinton; and

WHEREAS, on June 22, 2023, the State Water Control Board approved and adopted the Virginia Erosion and Stormwater Management (VESM) Regulation (9 VAC 25-875) and approved the repeal of the Erosion and Sediment Control Regulation (9 VAC 25-840), Erosion and Sediment Control and Stormwater Management Certification Regulations (9 VAC 25-850), and the Virginia Stormwater Management Program Regulation (9 VAC 25-870), effective July 1, 2024; and

WHEREAS, on July 1, 2024, Chapters 68 and 758 of the 2016 Acts of Assembly became effective which combined the stormwater management and erosion and sediment control requirements under the Virginia Erosion and Stormwater Management Act (VESMA), and

WHEREAS, with the Consolidation Bill and VESM Regulation becoming effective on July 1, 2024, local ordinances for the administration of a Virginia Erosion and Sediment Control Program (VЕСP) or Virginia Stormwater Management Program (VSMP) must be updated to reflect both the new law and regulations; and

WHEREAS, because Roanoke County administers a VЕСP and a VSMP, the Roanoke County Code needs to be updated to reflect the new law and regulations; and

WHEREAS, the Roanoke County Code has been amended to consolidate erosion and stormwater management control provisions (the new consolidated ordinance to become Chapter 8.1 of the Roanoke County Code); and

WHEREAS, the Roanoke County Board of Supervisors' first reading of the consolidated Erosion and Stormwater Management Ordinance was held on June 11, 2024, and the second reading and public hearing of the Ordinance was held on July 9, 2024; and

WHEREAS, Roanoke County's consolidated Erosion and Stormwater Management Ordinance was adopted on July 9, 2024, and became effective on August 1, 2024; and

WHEREAS, Roanoke County is willing to serve as the Town's VESMP Authority and the Town recognizes the efficiency and benefits to the Town in allowing the Roanoke County to serve as the Town's VESMP Authority; and

WHEREAS, the Town desires to amend Chapter 79 of the Town of Vinton Code to adopt Roanoke County's consolidated Erosion and Stormwater Management (ESM) Ordinance, as amended, by reference and to designate Roanoke County as the local VESMP Authority within the corporate limits of the Town.

NOW THEREFORE BE IT ORDAINED by the Town Council of the Town of Vinton, that:

- 1) Roanoke County's consolidated Erosion and Stormwater Management Program Ordinance, Chapter 8.1 - Erosion and Stormwater Management Program of the Code of Roanoke County, Virginia, shall be applicable with the corporate limits of the Town of Vinton; and
- 2) Roanoke County is designated as the Town's Virginia Erosion and Stormwater Management Program Authority; and
- 3) Article I – “Stormwater Management”, Section 79-1 and Article II – Erosion and Sediment Control and Steep Slope Development, Section 79-49 of Chapter 79 of the Town Code are hereby repealed; and
- 4) Vinton Town Code, Chapter 79 – Stormwater Management, is hereby amended and readopted to read as follows:

CHAPTER 79

STORMWATER MANAGEMENT

INTRODUCTION

The Town of Vinton finds that inadequate management of stormwater runoff from land-disturbing activities and development in watersheds increases flood flows and velocities, erodes and/or silts stream channels, pollutes water, overloads existing drainage facilities, undermines floodplain management in downstream communities, reduces groundwater recharge, and threatens public safety. More specifically, surface water runoff can carry pollutants into receiving waters. The Roanoke River and many of its tributaries inside the Town are listed as impaired waters by the Virginia Department of Environmental Quality (DEQ).

Many future problems can be avoided through proper stormwater management, and the Town is dedicated to preventing the damaging effects that uncontrolled stormwater may present. The lands and waters of Town are valuable natural resources that need to be protected. The Town finds that it is in the public interest to establish a stormwater management program.

Pursuant to Virginia Code § 62.1-44.15:27, this ordinance is part of an initiative to integrate the Town's stormwater management requirements with the Town's erosion and sediment control (Chapter 35) and floodplain management (Appendix B. Zoning Ordinance, Article IV, Division 13, Section 4-65 through Section 4-73) requirements into a unified stormwater program. The unified stormwater program is intended to facilitate the submission and approval of plans, issuance of permits, payment of fees, and coordination of inspection and enforcement activities into a more convenient and efficient manner for both the Town of Vinton and those responsible for compliance with these programs.

ARTICLE I. ~~STORMWATER MANAGEMENT~~

Sec. 79-1. ~~Title and Authority~~

- (a) ~~This ordinance shall be known as the "Stormwater Management Ordinance of the Town of Vinton, Virginia." The Town of Vinton, Virginia, hereby adopts the Stormwater Management Ordinance of the County of Roanoke, Virginia, in its entirety as set forth in Roanoke County Code, Chapter 23, Stormwater Management, as amended from time to time, which shall be applicable within the corporate limits of the Town of Vinton.~~
- (b) ~~Pursuant to § 62.1-44.15:27 of the Code of Virginia, the Town of Vinton hereby establishes a Virginia Stormwater Management Program (VSMP) for land-disturbing activities and adopts the applicable Regulations that specify standards and specifications for VSMPs promulgated by the State Water Control Board (State Board) for the purposes set out in 23-1.2 of Roanoke County Code, Chapter 23. The Town of Vinton hereby designates Roanoke County as the local Virginia Stormwater Management Program (VSMP) Authority within the corporate limits of the town and its Director of Community Development as the Administrator of the town's Virginia Stormwater Management Program.~~
- (c) ~~The Town of Vinton designates Roanoke County, Virginia, as its agent for the purpose of enforcing all stormwater facility maintenance agreements, agreements in lieu of a~~

~~stormwater management plan, and stormwater management plans in effect prior to the effective date of this ordinance.~~

Sec. 79-2 – 79-48. Reserved

~~Sec. 79-49. – Title, purpose and authority.~~

- ~~(a) This article shall be known as the "Erosion and Sediment Control and Steep Slope Development Ordinance of the Town of Vinton, Virginia." The purpose of this article is to conserve the land, water, air and other natural resources of the county by establishing requirements for the control of erosion and sedimentation, and by establishing requirements for development of steep slopes, and by establishing procedures whereby these requirements shall be administered and enforced. This article is authorized by the Code of Virginia, title 10.1, chapter 5, article 4 (§ 10.1-560 et seq.), known as the Virginia Erosion and Sediment Control Law.~~
- ~~(b) Pursuant to Commonwealth of Virginia enabling legislation, Article 2.4, Chapter 3.1 of the Title 62.1; and Code of Chapter 756 and 793; Roanoke County is the local Virginia Erosion Sediment Control Program (VESCP) Authority within the county and the town, and regulates stormwater runoff from construction sites.~~

Article I. Erosion and Stormwater Management Program

Section. 79-1. – Title, purpose and authority.

- (a) This article shall be known as the "Erosion and Stormwater Management Ordinance of the Town of Vinton, Virginia." The Town of Vinton, Virginia, hereby adopts the Erosion and Stormwater Management Ordinance of the County of Roanoke, Virginia, in its entirety as set forth in Roanoke County Code, Chapter 8.1 – Erosion and Stormwater Management of the Code of Roanoke County, Virginia, as amended from time to time, which shall be applicable within the corporate limits of the Town of Vinton.
- (b) Town of Vinton designates Roanoke County, Virginia, as its agent for the purpose of enforcing this Erosion and Stormwater Management Ordinance.

Sec. 79-50. – Applicability of chapter in town.

The provisions of Roanoke County Code, Chapter 8.1 – Erosion and Stormwater Management Program, as amended from time to time, shall be applicable within the corporate limits of the Town. Administrative procedures and review fees may be established to accommodate the review of plans for development located within the Town.

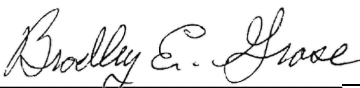
AND BE IT FURTHER ORDAINED by the Town Council of the Town of Vinton that this Ordinance shall become effective immediately

This Ordinance adopted on motion made by Council Member McCarty and seconded by Council Member Liles, with the following votes recorded:

AYES: Liles, McCarty, Mullins, Stovall, Grose

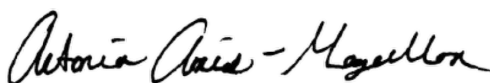
NAYS: None

APPROVED:



Bradley E. Grose, Mayor

ATTEST:



Antonia Arias-Magallon, Town Clerk

RESOLUTION NO. 2612

AT A REGULAR MEETING OF THE VINTON TOWN COUNCIL, HELD ON TUESDAY, SEPTEMBER 17, 2024, AT 6:00 P.M., IN THE COUNCIL CHAMBERS OF THE VINTON MUNICIPAL BUILDING, LOCATED AT 311 S. POLLARD STREET, VINTON, VIRGINIA.

A RESOLUTION AUTHORIZING THE TOWN OF VINTON TO ENTER A MEMORANDUM OF UNDERSTANDING WITH THE COUNTY OF ROANOKE, FOR THE COUNTY OF ROANOKE TO ACT AS THE VIRGINIA EROSION AND STORMWATER MANAGEMENT PROGRAM AUTHORITY FOR THE TOWN OF VINTON.

WHEREAS, on February 23, 2016, Roanoke County Board of Supervisors adopted Resolution 022316-2 authorizing the County of Roanoke to enter a Memorandum of Understanding (MOU) with the Town of Vinton, for the County to act as the Virginia Stormwater Management Program (VSMP) Authority and to continue to act as the Virginia Erosion and Sediment Control Program (VESCP) Authority for the Town of Vinton, and

WHEREAS, on April 6, 2016, the Vinton Town Council adopted Resolution 2136, authorizing the Interim Town Manager to enter a Memorandum of Understanding, on behalf of the Town, with the County of Roanoke, for the County to act as the Virginia Stormwater Management Program (VSMP) Authority and to continue to act as the Virginia Erosion and Sediment Control Program (VESCP) Authority for the Town of Vinton, and

WHEREAS, on July 1, 2024, Chapters 68 and 758 of the 2016 Acts of Assembly (referred to as the "Consolidation Bill") become effective which combines the stormwater management and erosion and sediment control requirements under the Virginia Erosion and Stormwater Management Act (VESMA); and

WHEREAS, with the Consolidation Bill and VESM Regulation becoming effective on July 1, 2024, local ordinances for the administration of a Virginia Erosion and Sediment Control Program (VESCP) or Virginia Stormwater Management Program (VSMP) had to be updated to reflect both the new law and regulations; and

WHEREAS, because Roanoke County is the VESCP and VSMP Authority for the Town of Vinton, and the Roanoke County Code had to be updated to reflect the new law and regulations; and

WHEREAS, on July 9, 2024, Roanoke County Board of Supervisors adopted Ordinance 070924-3 amending Chapter 8.1 of the County Code and repealing Chapter 23 of the County Code to create a consolidated Erosion and Stormwater Management Program (ESMP) Ordinance; and

WHEREAS, the consolidated Chapter 8.1 - Erosion and Stormwater Management Program (ESMP) of the Roanoke County Code, under Section 8.1-1 Title, Purpose, and Authority, states

that the provisions of the Chapter 8.1 shall be applicable within the corporate limits of the Town of Vinton; and

WHEREAS, the County is willing to serve as the Town's VESMP Authority for the Town pursuant to §62.1-44.15:27(B) of the Code of Virginia, 1950, as amended; and

NOW THEREFORE, BE IT RESOLVED that the Vinton Town Council does hereby authorize the Town Manager to enter a MOU, on behalf of the Town, with Roanoke County, upon a form approved by the Town Attorney, for the County to act as the VESMP Authority for the Town of Vinton.

This Resolution adopted on motion made by Vice Mayor Stovall, seconded by Council Member Mullins, with the following votes recorded:

AYES: Liles, McCarty, Mullins, Stovall, Grose

NAYS: None

APPROVED:



Bradley E. Grose, Mayor

ATTEST:



Antonia Magallon, Town Clerk

MCM 5: POST-CONSTRUCTION RUNOFF CONTROL

County of Roanoke
 Dept. of Development Services/Stormwater Management
 5204 Bernard Drive, 2nd Floor
 P. O. Box 29800
 Roanoke, VA 24018
 Phone: (540) 772-2065
 Fax: (540) 776-7155



DETENTION BASIN INSPECTION REPORT

Facility Name: Hardy Road Detention Basin 2

Maintenance Agreement:

Tax Parcel ID: 061.18-04-07.02-0000

Facility Location: 0 Hardy Road; Vinton, VA 24179

Inspector Name: Daniel Hood

Inspector Phone: 540-580-5292

Inspector Email: dhood@roanokecountyva.gov

BMP ID: 0508-81-5677

Inspection Date: 1/8/24

Inspection #: 4375

W.O. #: 40084

Responsible Party Name: Town of Vinton; c/o Anita McMillan, Vinton Planning Director

Responsible Party Address: 311 South Pollard Street; Vinton, VA 24179

INSPECTION RESULT: **Non-Compliant**

INSPECTION FORM

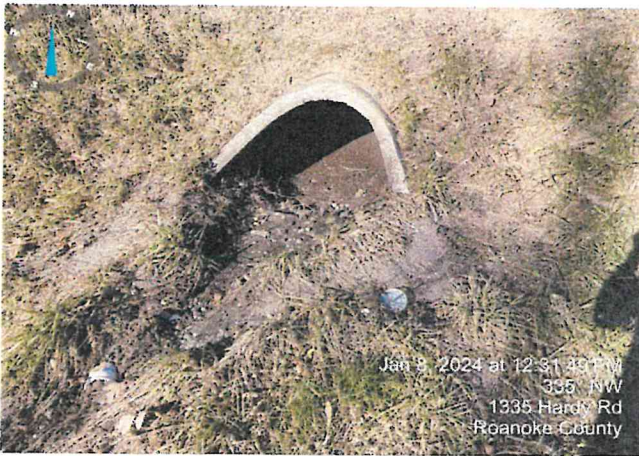
| Inspection Questions | Answer | Corrective Action/Notes |
|---|---------|--|
| Priority | | |
| Type of Inspection: | ROUTINE | |
| Embankment and Basin Sideslopes | | |
| 1. Are there signs of settling, cracking, bulging, or other structural deterioration? | No | |
| 2. Is there woody vegetation growth on the embankment? | No | |
| 3. Are there signs of erosion? | No | |
| 4. Is there evidence of animal burrows or sink holes? | No | |
| 5. Are there bare areas that need seeding or sodding? | No | |
| 6. Is there evidence of oil or other pollutant spills? | No | |
| Riser/Outlet Control Structure | | |
| 1. Is the structure clean of debris and sediment, free of damage, and in working order? | No | Remove trash and debris from the orifice trash rack. Seal the top of the restrictor plate to ensure a watertight seal. |
| 2. Is the emergency spillway clear of obstructions, debris, and vegetation? | Yes | |
| 3. Is there evidence of seepage? | No | |
| Receiving Channel/Outflow Channel | | |
| 1. Is there accumulation of sediment, debris, or trash? | No | |
| 2. Is there evidence of erosion? | N/A | |
| 3. Is there vegetation growth that may interfere with flow? | N/A | |
| Culverts, Storm Drains, or other Inflow Channels - Inflow Point 1 | | |
| 1. Is the storm drain filled more than 25% with debris, sediment, or trash? | Yes | Remove accumulated sediment from within and below the inflow pipe. Install outlet protection once the accumulated sediment has been removed. |



Hardy Road Detention Basin 2.



Remove trash and debris from the orifice trash rack. Seal the top of the restrictor plate to ensure a watertight seal.



Remove accumulated sediment from within and below the inflow pipe. Install outlet protection once the accumulated sediment has been removed.



Remove the accumulated sediment from the basin and ensure positive drainage from the inflow pipe to the outlet. Remove trash from the basin.

Corrective Action Target Date: June 30, 2024

Pursuant to Roanoke County's coverage under Virginia's Pollutant Discharge Elimination System (VPDES) General Permit for Discharges of Stormwater from Small Municipal Separate Storm Sewer Systems, as issued by the Virginia Department of Environmental Quality (DEQ), the County must inspect public stormwater management facilities no less than once per year. If during the inspection of the stormwater management facility it is determined that maintenance is required, the County (or other responsible public entity, i.e. Roanoke County Public Schools, Economic Development Authority, etc.) shall conduct the necessary maintenance.

Please contact the inspector named on the front of this form when:

1. The corrective actions have been completed.
2. Budget constraints prevent the completion of the required repairs by the end of this permit year (June 30, 2024).
3. You have any questions concerning the inspection results or questions regarding how to provide the required corrective actions.

Other Comments:

Submitted To: Anita McMillan, Vinton Planning Director, via e-mail.



ROANOKE COUNTY

DEVELOPMENT SERVICES

5204 Bernard Drive, Second Floor, P.O. Box 29800
Roanoke, Virginia 24018-0798
TEL: (540) 772-2080
FAX: (540) 776-7155

BUILDING SAFETY
DEVELOPMENT REVIEW
ENGINEERING

Tarek Moneir
DIRECTOR

STORMWATER MANAGEMENT
STORM DRAINAGE
GIS/MAPPING

STORMWATER MANAGEMENT FACILITY Inspection Report Summary

January 16, 2024

Owner: Town of Vinton

Street Address: c/o Anita McMillan, Vinton Planning Director

311 South Pollard Street

City, State Zip: Vinton, VA 24179

**Certified Mail/ Return Receipt
Requested** N/A
and via First Class Mail

Stormwater Management Facility Name & Type: Hardy Road Detention Basin 2

Facility Address (+ Zip): 0 Hardy Road; Vinton, VA 24179

TAX ID: 061.18-04-07.02-0000

County staff conducted an inspection of your above-referenced Stormwater Management Facility to determine if the facility is being properly maintained and if it is correctly functioning. Pursuant to Sec. 23-7.1 of Roanoke County Code, the facility was found to be:

☐

Compliant

☒

Non-compliant

The attached Inspection Report provides detailed inspection observations. If the facility was found to be non-compliant, then corrective measures must be completed by the specified date. The corrective measures are summarized below:

1. Remove trash and debris from the orifice trash rack.
2. Seal the top of the restrictor plate to ensure a watertight seal.
3. Remove accumulated sediment from within and below the inflow pipe.
4. Install outlet protection below the inflow pipe.
5. Remove the accumulated sediment from the basin and ensure positive drainage from the inflow pipe to the outlet.
6. Replace the fence lock chain.

Corrective Measures must be completed by: June 30, 2024.

For information about these corrections or to schedule a site visit, please contact:

Daniel Hood, Stormwater Inspector

Roanoke County

Department of Development Services - Division of Stormwater Management

5204 Bernard Drive

Roanoke, VA 24018

Direct: 540-772-2188

Mobile: 540-580-5292

County of Roanoke
 Dept. of Development Services/Stormwater Management
 5204 Bernard Drive, 2nd Floor
 P. O. Box 29800
 Roanoke, VA 24018
 Phone: (540) 772-2065
 Fax: (540) 776-7155



DETENTION BASIN INSPECTION REPORT

Facility Name: Hardy Road Detention Basin 1

Maintenance Agreement:

Tax Parcel ID: 061.18-04-01.12-0000

Facility Location: 1255 Hardy Road; Vinton, VA 24179

Inspector Name: Daniel Hood

BMP ID: 0508-81-5676

Inspector Phone: 540-580-5292

Inspection Date: 1/8/24

Inspector Email: dhood@roanokecountyva.gov

Inspection #: 4374

W.O. #: 40083

Responsible Party Name: Town of Vinton; c/o Anita McMillan, Vinton Planning Director

Responsible Party Address: 311 South Pollard Street; Vinton, VA 24179

INSPECTION RESULT: **Non-Compliant**

INSPECTION FORM

| Inspection Questions | Answer | Corrective Action/Notes |
|---|---------|---|
| Priority | | |
| Type of Inspection: | ROUTINE | |
| Embankment and Basin Sideslopes | | |
| 1. Are there signs of settling, cracking, bulging, or other structural deterioration? | No | |
| 2. Is there woody vegetation growth on the embankment? | No | |
| 3. Are there signs of erosion? | Yes | Repair the eroded embankment around the risers. |
| 4. Is there evidence of animal burrows or sink holes? | Yes | Fill and compact the animal burrows on the dam embankment. |
| 5. Are there bare areas that need seeding or sodding? | No | |
| 6. Is there evidence of oil or other pollutant spills? | No | |
| Riser/Outlet Control Structure | | |
| 1. Is the structure clean of debris and sediment, free of damage, and in working order? | No | Remove debris and trash from the trash rack. |
| 2. Is the emergency spillway clear of obstructions, debris, and vegetation? | Yes | |
| 3. Is there evidence of seepage? | No | |
| Receiving Channel/Outflow Channel | | |
| 1. Is there accumulation of sediment, debris, or trash? | No | |
| 2. Is there evidence of erosion? | No | |
| 3. Is there vegetation growth that may interfere with flow? | No | |
| Culverts, Storm Drains, or other Inflow Channels - Inflow Point 1 | | |
| 1. Is the storm drain filled more than 25% with debris, sediment, or trash? | Yes | Remove accumulated sediment and debris from within and below the inflow pipe. Install outlet protection once the accumulated sediment has been removed. |



Remove accumulated sediment and grade to ensure positive drainage from the inflow to the outlets.



Remove accumulated sediment and debris from within and below the inflow pipe. Install outlet protection once the accumulated sediment has been removed.



Remove accumulated sediment and debris from within and below the inflow pipe. Install outlet protection once the accumulated sediment has been removed.



Remove cattails from the facility.



Remove accumulated sediment and grade to ensure positive drainage from the inflow to the outlets.



Fill and compact the animal burrows on the dam embankment.

Corrective Action Target Date: June 30, 2024

Pursuant to Roanoke County's coverage under Virginia's Pollutant Discharge Elimination System (VPDES) General Permit for Discharges of Stormwater from Small Municipal Separate Storm Sewer Systems, as issued by the Virginia Department of Environmental Quality (DEQ), the County must inspect public stormwater management facilities no less than once per year. If during the inspection of the stormwater management facility it is determined that maintenance is required, the County (or other responsible public entity, i.e. Roanoke County Public Schools, Economic Development Authority, etc.) shall conduct the necessary maintenance.

Please contact the inspector named on the front of this form when:

1. The corrective actions have been completed.
2. Budget constraints prevent the completion of the required repairs by the end of this permit year (June 30, 2024).
3. You have any questions concerning the inspection results or questions regarding how to provide the required corrective actions.

Other Comments:

Submitted To: Anita McMillan, Vinton Planning Director, via e-mail.



ROANOKE COUNTY

DEVELOPMENT SERVICES

5204 Bernard Drive, Second Floor, P.O. Box 29800
Roanoke, Virginia 24018-0798
TEL: (540) 772-2080
FAX: (540) 776-7155

BUILDING SAFETY
DEVELOPMENT REVIEW
ENGINEERING

Tarek Moneir
DIRECTOR

STORMWATER MANAGEMENT
STORM DRAINAGE
GIS/MAPPING

STORMWATER MANAGEMENT FACILITY Inspection Report Summary

January 16, 2024

Owner: Town of Vinton

Street Address: c/o Anita McMillan, Vinton Planning Director

311 South Pollard Street

City, State Zip: Vinton, VA 24179

**Certified Mail/ Return Receipt
Requested** N/A
and via First Class Mail

Stormwater Management Facility Name & Type: Hardy Road Detention Basin 1

Facility Address (+ Zip): 1255 Hardy Road; Vinton, VA 24179 **TAX ID:** 061.18-04-01.12-0000

County staff conducted an inspection of your above-referenced Stormwater Management Facility to determine if the facility is being properly maintained and if it is correctly functioning. Pursuant to Sec. 23-7.1 of Roanoke County Code, the facility was found to be:

☐

Compliant



Non-compliant

The attached Inspection Report provides detailed inspection observations. If the facility was found to be non-compliant, then corrective measures must be completed by the specified date. The corrective measures are summarized below:

1. Repair the eroded embankment around the risers.
2. Fill and compact the animal burrows on the dam embankment.
3. Remove debris and trash from the trash rack.
4. Remove the accumulated sediment from within and below the inflow pipe.
5. Install outlet protection once accumulated sediment has been removed.
6. Remove accumulated sediment and cattails from the basin and grade to ensure positive drainage.

Corrective Measures must be completed by: June 30, 2024.

For information about these corrections or to schedule a site visit, please contact:

Daniel Hood, Stormwater Inspector

Roanoke County

Department of Development Services - Division of Stormwater Management

5204 Bernard Drive

Roanoke, VA 24018

Direct: 540-772-2188

Mobile: 540-580-5292

County of Roanoke
 Dept. of Development Services/Stormwater Management
 5204 Bernard Drive, 2nd Floor
 P. O. Box 29800
 Roanoke, VA 24018
 Phone: (540) 772-2065
 Fax: (540) 776-7155



DETENTION BASIN INSPECTION REPORT

Facility Name: Craig Avenue Recreation Center Detention Basin
Maintenance Agreement: No

Tax Parcel ID: 070.08-01-01.08-0000

Facility Location: 900 Chestnut Street; Vinton, VA 24179

BMP ID: 0672-74-3636

Inspector Name: Daniel Hood

Inspection Date: 1/8/24

Inspector Phone: 540-580-5292

Inspection #: 4372

Inspector Email: dhood@roanokecountyva.gov

W.O. #: 9351

Responsible Party Name: Town of Vinton; c/o Anita McMillan, Vinton Planning Director

Responsible Party Address: 311 South Pollard Street; Vinton, VA 24179

INSPECTION RESULT: **Non-Compliant**

INSPECTION FORM

| Inspection Questions | Answer | Corrective Action/Notes |
|---|---------|--|
| Priority | | |
| Type of Inspection: | ROUTINE | |
| Embankment and Basin Sideslopes | | |
| 1. Are there signs of settling, cracking, bulging, or other structural deterioration? | No | |
| 2. Is there woody vegetation growth on the embankment? | Yes | Remove woody growth from the embankment. |
| 3. Are there signs of erosion? | No | |
| 4. Is there evidence of animal burrows or sink holes? | No | |
| 5. Are there bare areas that need seeding or sodding? | No | |
| 6. Is there evidence of oil or other pollutant spills? | No | |
| Intake/Outlet Control Structure | | |
| 1. Is the structure clean of debris and sediment, free of damage, and in working order? | No | Remove woody debris and trash from the low flow grate. |
| 2. Is the emergency spillway clear of obstructions, debris, and vegetation? | Yes | |
| 3. Is there evidence of seepage? | No | |
| Receiving Channel/Outflow Channel | | |
| 1. Is there accumulation of sediment, debris, or trash? | No | |
| 2. Is there evidence of erosion? | N/A | |
| 3. Is there vegetation growth that may interfere with flow? | No | |
| Culverts, Storm Drains, or other Inflow Channels - Inflow Point 1 | | |
| 1. Is the storm drain filled more than 25% with debris, sediment, or trash? | No | |
| 2. Is there evidence of structural failure of the culvert pipe? | No | |



Craig Avenue Recreation Center Detention Basin.



Remove woody growth from the embankment.



Remove woody debris and trash from the low flow grate.



Remove woody debris and trash.



ROANOKE COUNTY

DEVELOPMENT SERVICES

5204 Bernard Drive, Second Floor, P.O. Box 29800

Roanoke, Virginia 24018-0798

TEL: (540) 772-2080

FAX: (540) 776-7155

BUILDING SAFETY
DEVELOPMENT REVIEW
ENGINEERING

Tarek Moneir
DIRECTOR

STORMWATER MANAGEMENT
STORM DRAINAGE
GIS/MAPPING

STORMWATER MANAGEMENT FACILITY Inspection Report Summary

January 16, 2024

Owner: Town of Vinton

Street Address: c/o Anita McMillan, Vinton Planning Director

311 South Pollard Street

City, State Zip: Vinton, VA 24179

**Certified Mail/ Return Receipt
Requested** N/A
and via First Class Mail

Stormwater Management Facility Name & Type: Craig Avenue Recreation Center Detention Basin

Facility Address (+ Zip): 900 Chestnut Street; Vinton, VA 24179 **TAX ID:** 070.08-01-01.08-0000

County staff conducted an inspection of your above-referenced Stormwater Management Facility to determine if the facility is being properly maintained and if it is correctly functioning. Pursuant to Sec. 23-7.1 of Roanoke County Code, the facility was found to be:

☐ Compliant

☒ Non-compliant

The attached Inspection Report provides detailed inspection observations. If the facility was found to be non-compliant, then corrective measures must be completed by the specified date. The corrective measures are summarized below:

1. Remove woody growth from the embankment.
2. Remove woody debris and trash from the low flow grate.
3. Remove woody debris, clippings, and trash from the basin.
4. _____
5. _____
6. _____

Corrective Measures must be completed by: June 30, 2024.

For information about these corrections or to schedule a site visit, please contact:

Daniel Hood, Stormwater Inspector

Roanoke County

Department of Development Services - Division of Stormwater Management

5204 Bernard Drive

Roanoke, VA 24018

Direct: 540-772-2188

Mobile: 540-580-5292

County of Roanoke
 Dept. of Development Services/Stormwater Management
 5204 Bernard Drive, 2nd Floor
 P. O. Box 29800
 Roanoke, VA 24018
 Phone: (540) 772-2065
 Fax: (540) 776-7155



DETENTION BASIN INSPECTION REPORT

Facility Name: Vinton War Memorial Detention Basin
Maintenance Agreement: No

Tax Parcel ID: 060.16-06-33.00-0000

Facility Location: 814 Washington Avenue; Vinton, VA 24179

BMP ID: 0672-88-4778

Inspector Name: Daniel Hood

Inspection Date: 1/8/24

Inspector Phone: 540-580-5292

Inspection #: 4361

Inspector Email: dhood@roanokecountyva.gov

W.O. #: 9692

Responsible Party Name: Town of Vinton; c/o Anita McMillan, Vinton Planning Director

Responsible Party Address: 311 South Pollard Street; Vinton, VA 24179

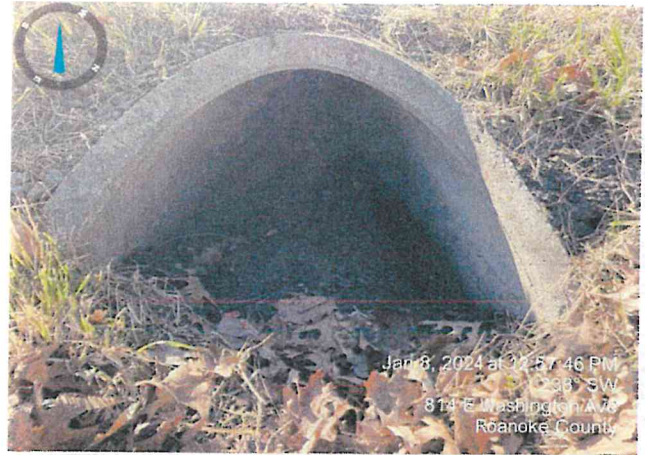
INSPECTION RESULT: **Non-Compliant**

INSPECTION FORM

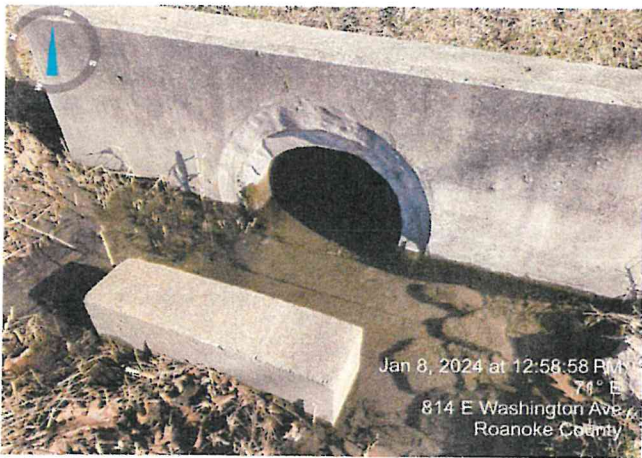
| Inspection Questions | Answer | Corrective Action/Notes |
|---|---------|---|
| Priority | | |
| Type of Inspection: | ROUTINE | |
| Embankment and Basin Sideslopes | | |
| 1. Are there signs of settling, cracking, bulging, or other structural deterioration? | No | |
| 2. Is there woody vegetation growth on the embankment? | No | |
| 3. Are there signs of erosion? | No | |
| 4. Is there evidence of animal burrows or sink holes? | No | |
| 5. Are there bare areas that need seeding or sodding? | No | |
| 6. Is there evidence of oil or other pollutant spills? | No | |
| Riser/Outlet Control Structure | | |
| 1. Is the structure clean of debris and sediment, free of damage, and in working order? | No | Remove debris and clippings from the low flow orifice. |
| 2. Is the emergency spillway clear of obstructions, debris, and vegetation? | Yes | |
| 3. Is there evidence of seepage? | No | |
| Receiving Channel/Outflow Channel | | |
| 1. Is there accumulation of sediment, debris, or trash? | No | |
| 2. Is there evidence of erosion? | N/A | |
| 3. Is there vegetation growth that may interfere with flow? | N/A | |
| Culverts, Storm Drains, or other Inflow Channels - Inflow Point 1 | | |
| 1. Is the storm drain filled more than 25% with debris, sediment, or trash? | Yes | Remove accumulated sediment from within and below the inflow pipe. Re-install outlet protection once the sediment is removed. |



Vinton Mar Memorial Detention Basin.



Inflow 1: Remove accumulated sediment from within and below the inflow pipe. Re-install outlet protection once the sediment is removed.



Inflow 2.



Remove accumulated sediment from the basin and grade to ensure positive drainage to the outlet. Remove cattail clippings.



ROANOKE COUNTY

DEVELOPMENT SERVICES

5204 Bernard Drive, Second Floor, P.O. Box 29800

Roanoke, Virginia 24018-0798

TEL: (540) 772-2080

FAX: (540) 776-7155

Tarek Moneir

DIRECTOR

BUILDING SAFETY
DEVELOPMENT REVIEW
ENGINEERING

STORMWATER MANAGEMENT
STORM DRAINAGE
GIS/MAPPING

STORMWATER MANAGEMENT FACILITY

Inspection Report Summary

January 16, 2024

Owner: Town of Vinton

Street Address: c/o Anita McMillan, Vinton Planning Director

311 South Pollard Street

City, State Zip: Vinton, VA 24179

Certified Mail/ Return Receipt

Requested N/A

and via First Class Mail

Stormwater Management Facility Name & Type: Vinton War Memorial Detention Basin

Facility Address (+ Zip): 814 Washington Avenue; Vinton, VA 24179 **TAX ID:** 060.16-06-33.00-0000

County staff conducted an inspection of your above-referenced Stormwater Management Facility to determine if the facility is being properly maintained and if it is correctly functioning. Pursuant to Sec. 23-7.1 of Roanoke County Code, the facility was found to be:

☐

Compliant

☒

Non-compliant

The attached Inspection Report provides detailed inspection observations. If the facility was found to be non-compliant, then corrective measures must be completed by the specified date. The corrective measures are summarized below:

1. Remove accumulated sediment and grade the basin to ensure positive drainage to the outlet.
2. Remove accumulated sediment from within and below inflow pipes 1 and 3.
3. Re-install outlet protection once accumulated sediment has been removed.
4. Remove cattails and clippings from the basin and low flow orifice.
5. _____
6. _____

Corrective Measures must be completed by: June 30, 2024.

For information about these corrections or to schedule a site visit, please contact:

Daniel Hood, Stormwater Inspector

Roanoke County

Department of Development Services - Division of Stormwater Management

5204 Bernard Drive

Roanoke, VA 24018

Direct: 540-772-2188

Mobile: 540-580-5292

| BMP ID | Project Name | Date Installed | Latitude | Longitude | BMP Type | Pervious | | Total Area Treated | Maintenance Agreement | Inspection Date | Ownership Type | HUC 12 |
|--------------|-------------------------------------|----------------|-------------|--------------|-----------------------------|-------------------------|--------------|--------------------|-----------------------|-----------------|----------------|--------------|
| | | | | | | Impervious Area Treated | Area Treated | | | | | |
| 0672-87-0009 | Peebles Place | 2010-11-16 | 37.27616425 | -79.89170202 | Detention Basin | | | 4.75097531 | No | 2020-06-09 | Private | 030101010403 |
| 0682-17-8060 | Lewis Russell Estates E&S | 2007-01-01 | 37.27608004 | -79.87843176 | Infiltration | | | 0.16790405 | No | 2020-02-03 | Private | 030101010403 |
| 0682-16-7997 | Lewis Russell Estates E&S | 2006-01-01 | 37.2759878 | -79.87867779 | Infiltration | | | 0.07568462 | No | 2020-02-03 | Private | 030101010403 |
| 0682-16-7759 | Lewis Russell Estates E&S | 2006-01-01 | 37.27548951 | -79.87881768 | Infiltration | | | 0.05224749 | No | 2019-11-05 | Private | 030101010403 |
| 0682-38-8795 | The Meadows | 2000-01-01 | 37.28097608 | -79.87154112 | Detention Basin | | | 5.14485614 | Yes | 2020-02-03 | Private | 030101010404 |
| 0682-16-8701 | Lewis Russell Estates E&S | 2006-01-01 | 37.27529489 | -79.8786158 | Infiltration | | | 0.0507219 | No | 2020-02-03 | Private | 030101010403 |
| 0672-96-8736 | River Park Shopping Center | 1988-01-01 | 37.27534646 | -79.88539683 | Detention Basin | | | 14.66591464 | Yes | 2020-02-03 | Private | 030101010403 |
| 0682-08-7927 | James B. Smith SB Lot 7 | 2006-01-01 | 37.28143847 | -79.88244587 | Infiltration | | | 0.07539272 | No | 2020-06-09 | Private | 030101010403 |
| 0682-08-6966 | James B. Smith SB Lot 6 | 2005-01-01 | 37.28140389 | -79.88266889 | Infiltration | | | 0.07878607 | No | 2020-06-09 | Private | 030101010403 |
| 0682-08-5994 | James B. Smith SB Lot 5 | 2006-01-01 | 37.28136419 | -79.88290892 | Infiltration | | | 0.07878607 | No | 2020-06-09 | Private | 030101010403 |
| 0672-84-4789 | Colonial Downs | 2004-01-01 | 37.26987441 | -79.88992763 | Detention Basin | | | 8.91213011 | No | 2016-09-02 | Private | 030101010403 |
| 0682-05-0834 | Valley Bank - Hardy Rd | 2002-01-01 | 37.27282269 | -79.88465912 | Underground Detention Basin | | | 0.12570351 | No | | Private | 030101010403 |
| 0682-08-5933 | James B. Smith SB Lot 4 | 2005-01-01 | 37.28133572 | -79.88308979 | Infiltration | | | 0.07470135 | No | 2020-06-09 | Private | 030101010403 |
| 0682-08-4941 | James B. Smith SB Lot 3 | 2005-01-01 | 37.28127138 | -79.88340851 | Infiltration | | | 0.07156421 | No | 2020-06-09 | Private | 030101010403 |
| 0682-08-3990 | James B. Smith SB Lot 2A | 2006-01-01 | 37.28124291 | -79.88358937 | Infiltration | | | 0.06359656 | No | 2020-06-09 | Private | 030101010403 |
| 0682-08-3839 | James B. Smith SB Lot 1 | 2006-01-01 | 37.28120917 | -79.88377014 | Infiltration | | | 0.07026473 | No | 2020-06-09 | Private | 030101010403 |
| 0682-08-8927 | James B. Smith SB Lot 8 | 2005-01-01 | 37.28143898 | -79.88209171 | Infiltration | | | 0.07307965 | No | 2020-06-09 | Private | 030101010403 |
| 0672-66-1535 | Harris Development | 2003-10-30 | 37.27459943 | -79.89810068 | Infiltration | | | 0.04818596 | No | 2020-02-12 | Private | 030101010403 |
| 0672-66-2502 | Harris Development | 2003-10-30 | 37.27452774 | -79.89787702 | Infiltration | | | 0.04899678 | No | 2020-02-12 | Private | 030101010403 |
| 0672-66-3437 | Harris Development | 2003-10-30 | 37.27439349 | -79.89742535 | Infiltration | | | 0.05724316 | No | 2020-05-14 | Private | 030101010403 |
| 0682-27-2144 | Lewis Russell Estates E&S | 1970-01-01 | 37.27646867 | -79.87713138 | Detention Basin | | | 19.80448826 | Yes | 2020-02-03 | Private | 030101010404 |
| 0682-17-9022 | Lewis Russell Estates E&S | 2006-01-01 | 37.27612898 | -79.87821211 | Infiltration | | | 0.09279553 | No | 2020-02-03 | Private | 030101010403 |
| 0682-39-0790 | The Meadows | 2005-01-01 | 37.2835431 | -79.87435634 | Detention Basin | | | 23.88294203 | Yes | 2020-02-03 | Private | 030101010404 |
| 0682-26-0905 | Lewis Russell Estates E&S | 2006-01-01 | 37.27595275 | -79.87793678 | Infiltration | | | 0.06623267 | No | 2020-02-03 | Private | 030101010404 |
| 0672-67-6617 | Wesleyan Church Vinton | 2005-06-30 | 37.27770873 | -79.8965142 | Underground Detention Basin | | | 0.60875625 | No | 2020-06-09 | Private | 030101010403 |
| 0672-86-9018 | Bojangles TOV | 1999-01-01 | 37.27344573 | -79.88853486 | Underground Detention Basin | | | 0.67171679 | No | 2020-06-09 | Private | 030101010403 |
| 0672-96-6115 | First Citizens Bank - Vinton | 1997-01-01 | 37.27364522 | -79.88611046 | Detention Basin | | | 1.82829837 | No | 2020-06-09 | Private | 030101010403 |
| 0682-16-7848 | Lewis Russell Estates E&S | 2006-01-01 | 37.27573611 | -79.87883335 | Infiltration | | | 0.05655922 | No | 2020-02-03 | Private | 030101010403 |
| 0682-17-1392 | Carter Bank and Trust | 2012-06-30 | 37.2769283 | -79.88076789 | Detention Basin | | | 0.78597556 | No | 2020-05-14 | Private | 030101010403 |
| 0682-54-0045 | Law Dental Office | 2016-07-24 | 37.27320184 | -79.88560693 | Detention Basin | 0.225 | 0.118 | 0.343 | Yes | | Private | |
| 0672-74-3636 | Craig Ave Recreational Center Basin | 2005-06-30 | 37.26945975 | -79.89389702 | Detention Basin | | | 68.64107535 | No | 2015-05-19 | TOV/Public | 030101010403 |
| 0672-64-7085 | Wiley Development | 2006-02-22 | 37.26777423 | -79.89573063 | Detention Basin | 0.35 | 1.26 | 1.61 | No | 2020-06-09 | Private | 030101010403 |
| 0672-83-0556 | A Porter's Haven Pond 2 | 2008-01-10 | 37.26648763 | -79.89135656 | Detention Basin | 1.65 | 0.86 | 2.51 | No | 2020-06-09 | Private | 030101010403 |
| 0672-73-4510 | A Porter's Haven Pond 1 | 2008-01-10 | 37.26627771 | -79.89354787 | Detention Basin | 2.43 | 0.71 | 3.14 | No | 2020-06-09 | Private | 030101010404 |
| 0672-73-5139 | A Porter's Haven Pond 3 | 2008-01-10 | 37.26544789 | -79.89312334 | Detention Basin | 0.8 | 0.21 | 1.01 | No | 2020-06-09 | Private | 030101010404 |
| 0682-06-6453 | CVS Vinton | 1998-01-01 | 37.27447349 | -79.88255596 | Detention Basin | | | 1.48859325 | Yes | 2020-02-03 | Private | 030101010403 |
| 0682-09-5422 | Herman L. Horn ES Pond | 2012-12-17 | 37.28268497 | -79.88315711 | Detention Basin | 2.11 | 12.22 | 14.33 | Yes | 2019-04-24 | ROCO/Public | 030101010403 |
| 0672-78-3490 | Advance Auto TOV | 2010-10-06 | 37.27975635 | -79.89385629 | Manufactured Unit | 0.255 | 0.045 | 0.3 | No | 2020-02-12 | Private | 030101010403 |
| 0672-48-6105 | Butler Family Trust | 2013-01-01 | 37.27893802 | -79.90343136 | Bioretention | 0.24 | 0 | 0.24 | Yes | 2020-06-09 | Private | 030101010403 |
| 0672-88-4778 | Vinton War Memorial | 1960-01-01 | 37.28082849 | -79.89018777 | Detention Basin | 2.19 | 7.99 | 10.18 | | 2019-05-22 | TOV/Public | 030101010403 |
| 0508-81-5677 | Hardy Road Detention Basin 2 | 2005-06-30 | 37.27287171 | -79.87684005 | Detention Basin | | | | | 2020-04-09 | TOV/Public | 030101010403 |
| 0508-81-5676 | Hardy Road Detention Basin 1 | 2005-06-30 | 37.27277328 | -79.8762833 | Detention Basin | | | | | 2020-06-10 | TOV/Public | 030101010403 |

NOTES:

| | |
|------|--------------------------------------|
| | Public-Owned SWMFs/BMPs |
| | Single-Family/Private Lot SWMFs/BMPs |
| | Residential/Subdivision |
| | Commercial/Industrial |
| TOV | Town of Vinton |
| ROCO | Roanoke County |

MCM 6: POLLUTION PREVENTION AND GOOD HOUSEKEEPING



Town of Vinton Facility # 5 Vehicles/Equipment Storage Inspection Checklist

Public Works Department is responsible for conducting quarterly inspections, at minimum, of its own facilities. Please submit completed forms to:
Anita McMillan, Planning and Zoning Director/Stormwater Program Manager

Date: 7/27/23 Time: 1:30 pm Inspector: Kenny Sled

Facility Name and Location: # 5 Vehicles/Equipment Storage

Description of Activities: Quarterly

Receiving Waterway: Tinker Creek

Fueling Areas

| | Comments |
|---|----------|
| Proper use of spill overflow protection | |
| Roof over fueling area | |
| Dry cleanup methods used for fuel spills | |
| Tank certified by PBCDERM | |
| Leak detection system for fuel tanks | |
| Fueling pad graded for minimum run-on of stormwater | |
| Fueling pad discharges into a sump pump, not into a storm drain | |

Vehicle and Equipment Maintenance

| | Comments |
|--|----------|
| Proper storage & disposal of greasy rags, oil/air filters, batteries, spent coolants | |
| Labeling & tracking for the recycling of hazardous waste materials | |
| Hazardous materials stored properly without evidence of spills | |
| Inventory of materials maintained onsite & Material Safety Data sheets | |
| Wrecked and "part" vehicles drained of all fluids | |
| Stored liquids and batteries have secondary containment | |
| Liquid waste disposed of properly and not being poured into storm system/sinks | |
| Empty drip pans are cleaned and properly stored | |
| Floor drains discharge into a storage sump with an oil/water separator | |

Outdoor Vehicle and Equipment Storage

| | Comments |
|---|----------|
| <input checked="" type="checkbox"/> Ground free of visual stains from oil or other vehicle fluids | |
| <input checked="" type="checkbox"/> Drip pans used during vehicle maintenance | |
| <input checked="" type="checkbox"/> Drip pans cleaned and properly stored | |
| <input checked="" type="checkbox"/> Storage are covered and properly maintained | |

| Painting Areas | | Comments |
|-----------------------|---|-----------------|
| | Paint and paint thinner stored and properly labeled | |
| | Spray paint booths properly operate and have an OSHA-approved hood | |
| | Personal protection devices/clothes cleaned and properly stored | |
| | Proper painting equipment being used and is properly cleaned/stored | |
| | Recycling of used paints, paint thinner, and solvents | |
| | Employees trained on proper painting and cleaning procedures | |

| Vehicle and Equipment Washing Areas | | Comments |
|--|---|-----------------|
| | Area designated for cleaning activities | |
| | Wash waters are contained & recycled, sumps clean & properly used | |
| | Proper grading for wash pad | |
| | Parts and equipment washed within designated cleaning area | |
| | Employees trained on proper washing procedures | |

| Liquid Storage in Above-Ground Storage | | Comments |
|---|---|-----------------|
| | Installed per design with no leaks (pipes, pumps, valves, hoses, flanges) | |
| | Storage containers maintained in good condition | |
| | Safeguards installed (such as secondary containment) | |
| | System regularly inspected | |
| | Chemicals are stored with compatible chemicals | |
| | Container labels can be easily read; containers are properly labeled | |
| | Employees trained on proper filling and transfer procedures | |

| Improper Connections to Storm Drainage System | | Comments |
|--|--|-----------------|
| | Floor drains connected to sanitary sewer system, not to storm drains | |
| | Runoff from wash, maintenance, storage, and fueling areas are not directed to storm drains | |
| | Facility has updated plumbing schematics to accurately reflect discharge locations | |
| | All underground storage tanks are maintained with proper safeguards | |
| | Employees trained on proper disposal of all materials used onsite | |

| General Site | | Comments |
|---------------------|--|-----------------|
| | Emergency Response Plan onsite | |
| ✓ | Employees trained for emergency procedures | |
| | Material Safety Data sheets maintained in a convenient location for emergency response | |
| ✓ | Stockpiles properly maintained to prevent runoff | |
| ✓ | Proper litter control (container lids are closed, containers are upright) | |
| ✓ | Vegetated areas properly maintained and erosion-free | |
| ✓ | Site is routinely inspected for indication of illicit discharges | |

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



Town of Vinton Facility # 5 Vehicles/Equipment Storage Inspection Checklist

Public Works Department is responsible for conducting quarterly inspections, at minimum, of its own facilities. Please submit completed forms to:
Anita McMillan, Planning and Zoning Director/Stormwater Program Manager

Date: 10/25/23 Time: 2 pm Inspector: Kenny Sled

Facility Name and Location: # 5 Vehicles/Equipment Storage

Description of Activities: Quarterly

Receiving Waterway: Tinker Creek

Fueling Areas

Comments

| | | |
|--------------------------|---|--|
| <input type="checkbox"/> | Proper use of spill overflow protection | |
| <input type="checkbox"/> | Roof over fueling area | |
| <input type="checkbox"/> | Dry cleanup methods used for fuel spills | |
| <input type="checkbox"/> | Tank certified by PBCDERM | |
| <input type="checkbox"/> | Leak detection system for fuel tanks | |
| <input type="checkbox"/> | Fueling pad graded for minimum run-on of stormwater | |
| <input type="checkbox"/> | Fueling pad discharges into a sump pump, not into a storm drain | |

Vehicle and Equipment Maintenance

Comments

| | | |
|--------------------------|--|--|
| <input type="checkbox"/> | Proper storage & disposal of greasy rags, oil/air filters, batteries, spent coolants | |
| <input type="checkbox"/> | Labeling & tracking for the recycling of hazardous waste materials | |
| <input type="checkbox"/> | Hazardous materials stored properly without evidence of spills | |
| <input type="checkbox"/> | Inventory of materials maintained onsite & Material Safety Data sheets | |
| <input type="checkbox"/> | Wrecked and "part" vehicles drained of all fluids | |
| <input type="checkbox"/> | Stored liquids and batteries have secondary containment | |
| <input type="checkbox"/> | Liquid waste disposed of properly and not being poured into storm system/sinks | |
| <input type="checkbox"/> | Empty drip pans are cleaned and properly stored | |
| <input type="checkbox"/> | Floor drains discharge into a storage sump with an oil/water separator | |

Outdoor Vehicle and Equipment Storage

Comments

| | | |
|-------------------------------------|---|--|
| <input checked="" type="checkbox"/> | Ground free of visual stains from oil or other vehicle fluids | |
| <input checked="" type="checkbox"/> | Drip pans used during vehicle maintenance | |
| <input checked="" type="checkbox"/> | Drip pans cleaned and properly stored | |
| <input checked="" type="checkbox"/> | Storage are covered and properly maintained | |

| Painting Areas | | Comments |
|--------------------------|---|-----------------|
| <input type="checkbox"/> | Paint and paint thinner stored and properly labeled | |
| <input type="checkbox"/> | Spray paint booths properly operate and have an OSHA-approved hood | |
| <input type="checkbox"/> | Personal protection devices/clothes cleaned and properly stored | |
| <input type="checkbox"/> | Proper painting equipment being used and is properly cleaned/stored | |
| <input type="checkbox"/> | Recycling of used paints, paint thinner, and solvents | |
| <input type="checkbox"/> | Employees trained on proper painting and cleaning procedures | |

| Vehicle and Equipment Washing Areas | | Comments |
|--|---|-----------------|
| <input type="checkbox"/> | Area designated for cleaning activities | |
| <input type="checkbox"/> | Wash waters are contained & recycled, sumps clean & properly used | |
| <input type="checkbox"/> | Proper grading for wash pad | |
| <input type="checkbox"/> | Parts and equipment washed within designated cleaning area | |
| <input type="checkbox"/> | Employees trained on proper washing procedures | |

| Liquid Storage in Above-Ground Storage | | Comments |
|---|---|-----------------|
| <input type="checkbox"/> | Installed per design with no leaks (pipes, pumps, valves, hoses, flanges) | |
| <input type="checkbox"/> | Storage containers maintained in good condition | |
| <input type="checkbox"/> | Safeguards installed (such as secondary containment) | |
| <input type="checkbox"/> | System regularly inspected | |
| <input type="checkbox"/> | Chemicals are stored with compatible chemicals | |
| <input type="checkbox"/> | Container labels can be easily read; containers are properly labeled | |
| <input type="checkbox"/> | Employees trained on proper filling and transfer procedures | |

| Improper Connections to Storm Drainage System | | Comments |
|--|--|-----------------|
| <input type="checkbox"/> | Floor drains connected to sanitary sewer system, not to storm drains | |
| <input type="checkbox"/> | Runoff from wash, maintenance, storage, and fueling areas are not directed to storm drains | |
| <input type="checkbox"/> | Facility has updated plumbing schematics to accurately reflect discharge locations | |
| <input type="checkbox"/> | All underground storage tanks are maintained with proper safeguards | |
| <input type="checkbox"/> | Employees trained on proper disposal of all materials used onsite | |

| General Site | | Comments |
|-------------------------------------|--|-----------------|
| <input checked="" type="checkbox"/> | Emergency Response Plan onsite | |
| <input checked="" type="checkbox"/> | Employees trained for emergency procedures | |
| <input checked="" type="checkbox"/> | Material Safety Data sheets maintained in a convenient location for emergency response | |
| <input checked="" type="checkbox"/> | Stockpiles properly maintained to prevent runoff | |
| <input checked="" type="checkbox"/> | Proper litter control (container lids are closed, containers are upright) | |
| <input checked="" type="checkbox"/> | Vegetated areas properly maintained and erosion-free | |
| <input checked="" type="checkbox"/> | Site is routinely inspected for indication of illicit discharges | |

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



Town of Vinton Facility # 5 Vehicles/Equipment Storage Inspection Checklist

Public Works Department is responsible for conducting quarterly inspections, at minimum, of its own facilities. Please submit completed forms to:
Anita McMillan, Planning and Zoning Director/Stormwater Program Manager

Date: 1/31/24 Time: 10:30 AM Inspector: Kenny Stedd

Facility Name and Location: # 5 Vehicles/Equipment Storage

Description of Activities: Quarterly

Receiving Waterway: Tinker Creek

Fueling Areas

Comments

| | | |
|--------------------------|---|--|
| <input type="checkbox"/> | Proper use of spill overflow protection | |
| <input type="checkbox"/> | Roof over fueling area | |
| <input type="checkbox"/> | Dry cleanup methods used for fuel spills | |
| <input type="checkbox"/> | Tank certified by PBCDERM | |
| <input type="checkbox"/> | Leak detection system for fuel tanks | |
| <input type="checkbox"/> | Fueling pad graded for minimum run-on of stormwater | |
| <input type="checkbox"/> | Fueling pad discharges into a sump pump, not into a storm drain | |

Vehicle and Equipment Maintenance

Comments

| | | |
|--------------------------|--|--|
| <input type="checkbox"/> | Proper storage & disposal of greasy rags, oil/air filters, batteries, spent coolants | |
| <input type="checkbox"/> | Labeling & tracking for the recycling of hazardous waste materials | |
| <input type="checkbox"/> | Hazardous materials stored properly without evidence of spills | |
| <input type="checkbox"/> | Inventory of materials maintained onsite & Material Safety Data sheets | |
| <input type="checkbox"/> | Wrecked and "part" vehicles drained of all fluids | |
| <input type="checkbox"/> | Stored liquids and batteries have secondary containment | |
| <input type="checkbox"/> | Liquid waste disposed of properly and not being poured into storm system/sinks | |
| <input type="checkbox"/> | Empty drip pans are cleaned and properly stored | |
| <input type="checkbox"/> | Floor drains discharge into a storage sump with an oil/water separator | |

Outdoor Vehicle and Equipment Storage

Comments

| | | |
|-------------------------------------|---|--|
| <input checked="" type="checkbox"/> | Ground free of visual stains from oil or other vehicle fluids | |
| <input checked="" type="checkbox"/> | Drip pans used during vehicle maintenance | |
| <input checked="" type="checkbox"/> | Drip pans cleaned and properly stored | |
| <input checked="" type="checkbox"/> | Storage are covered and properly maintained | |

Painting Areas**Comments**

| | | |
|--|---|--|
| | Paint and paint thinner stored and properly labeled | |
| | Spray paint booths properly operate and have an OSHA-approved hood | |
| | Personal protection devices/clothes cleaned and properly stored | |
| | Proper painting equipment being used and is properly cleaned/stored | |
| | Recycling of used paints, paint thinner, and solvents | |
| | Employees trained on proper painting and cleaning procedures | |

Vehicle and Equipment Washing Areas**Comments**

| | | |
|--|---|--|
| | Area designated for cleaning activities | |
| | Wash waters are contained & recycled, sumps clean & properly used | |
| | Proper grading for wash pad | |
| | Parts and equipment washed within designated cleaning area | |
| | Employees trained on proper washing procedures | |

Liquid Storage in Above-Ground Storage**Comments**

| | | |
|--|---|--|
| | Installed per design with no leaks (pipes, pumps, valves, hoses, flanges) | |
| | Storage containers maintained in good condition | |
| | Safeguards installed (such as secondary containment) | |
| | System regularly inspected | |
| | Chemicals are stored with compatible chemicals | |
| | Container labels can be easily read; containers are properly labeled | |
| | Employees trained on proper filling and transfer procedures | |

Improper Connections to Storm Drainage System**Comments**

| | | |
|--|--|--|
| | Floor drains connected to sanitary sewer system, not to storm drains | |
| | Runoff from wash, maintenance, storage, and fueling areas are not directed to storm drains | |
| | Facility has updated plumbing schematics to accurately reflect discharge locations | |
| | All underground storage tanks are maintained with proper safeguards | |
| | Employees trained on proper disposal of all materials used onsite | |

General Site**Comments**

| | | |
|--|--|--|
| | Emergency Response Plan onsite | |
| | Employees trained for emergency procedures | |
| | Material Safety Data sheets maintained in a convenient location for emergency response | |
| | Stockpiles properly maintained to prevent runoff | |
| | Proper litter control (container lids are closed, containers are upright) | |
| | Vegetated areas properly maintained and erosion-free | |
| | Site is routinely inspected for indication of illicit discharges | |

[illegible]



Town of Vinton Facility # 5 Vehicles/Equipment Storage Inspection Checklist

Public Works Department is responsible for conducting quarterly inspections, at minimum, of its own facilities. Please submit completed forms to:
Anita McMillan, Planning and Zoning Director/Stormwater Program Manager

Date: 4/9/24 Time: 10:00AM Inspector: Kenny Stedd

Facility Name and Location: # 5 Vehicles/Equipment Storage

Description of Activities: Quarterly

Receiving Waterway: Tinker Creek

Fueling Areas

Comments

| | | |
|--------------------------|---|--|
| <input type="checkbox"/> | Proper use of spill overflow protection | |
| <input type="checkbox"/> | Roof over fueling area | |
| <input type="checkbox"/> | Dry cleanup methods used for fuel spills | |
| <input type="checkbox"/> | Tank certified by PBCDERM | |
| <input type="checkbox"/> | Leak detection system for fuel tanks | |
| <input type="checkbox"/> | Fueling pad graded for minimum run-on of stormwater | |
| <input type="checkbox"/> | Fueling pad discharges into a sump pump, not into a storm drain | |

Vehicle and Equipment Maintenance

Comments

| | | |
|--------------------------|--|--|
| <input type="checkbox"/> | Proper storage & disposal of greasy rags, oil/air filters, batteries, spent coolants | |
| <input type="checkbox"/> | Labeling & tracking for the recycling of hazardous waste materials | |
| <input type="checkbox"/> | Hazardous materials stored properly without evidence of spills | |
| <input type="checkbox"/> | Inventory of materials maintained onsite & Material Safety Data sheets | |
| <input type="checkbox"/> | Wrecked and "part" vehicles drained of all fluids | |
| <input type="checkbox"/> | Stored liquids and batteries have secondary containment | |
| <input type="checkbox"/> | Liquid waste disposed of properly and not being poured into storm system/sinks | |
| <input type="checkbox"/> | Empty drip pans are cleaned and properly stored | |
| <input type="checkbox"/> | Floor drains discharge into a storage sump with an oil/water separator | |

Outdoor Vehicle and Equipment Storage

Comments

| | | |
|-------------------------------------|---|--|
| <input checked="" type="checkbox"/> | Ground free of visual stains from oil or other vehicle fluids | |
| <input checked="" type="checkbox"/> | Drip pans used during vehicle maintenance | |
| <input checked="" type="checkbox"/> | Drip pans cleaned and properly stored | |
| <input checked="" type="checkbox"/> | Storage are covered and properly maintained | |

| Painting Areas | | Comments |
|-----------------------|---|-----------------|
| | Paint and paint thinner stored and properly labeled | |
| | Spray paint booths properly operate and have an OSHA-approved hood | |
| | Personal protection devices/clothes cleaned and properly stored | |
| | Proper painting equipment being used and is properly cleaned/stored | |
| | Recycling of used paints, paint thinner, and solvents | |
| | Employees trained on proper painting and cleaning procedures | |

| Vehicle and Equipment Washing Areas | | Comments |
|--|---|-----------------|
| | Area designated for cleaning activities | |
| | Wash waters are contained & recycled, sumps clean & properly used | |
| | Proper grading for wash pad | |
| | Parts and equipment washed within designated cleaning area | |
| | Employees trained on proper washing procedures | |

| Liquid Storage in Above-Ground Storage | | Comments |
|---|---|-----------------|
| | Installed per design with no leaks (pipes, pumps, valves, hoses, flanges) | |
| | Storage containers maintained in good condition | |
| | Safeguards installed (such as secondary containment) | |
| | System regularly inspected | |
| | Chemicals are stored with compatible chemicals | |
| | Container labels can be easily read; containers are properly labeled | |
| | Employees trained on proper filling and transfer procedures | |

| Improper Connections to Storm Drainage System | | Comments |
|--|--|-----------------|
| | Floor drains connected to sanitary sewer system, not to storm drains | |
| | Runoff from wash, maintenance, storage, and fueling areas are not directed to storm drains | |
| | Facility has updated plumbing schematics to accurately reflect discharge locations | |
| | All underground storage tanks are maintained with proper safeguards | |
| | Employees trained on proper disposal of all materials used onsite | |

| General Site | | Comments |
|---------------------|--|-----------------|
| | Emergency Response Plan onsite | |
| | Employees trained for emergency procedures | |
| | Material Safety Data sheets maintained in a convenient location for emergency response | |
| | Stockpiles properly maintained to prevent runoff | |
| | Proper litter control (container lids are closed, containers are upright) | |
| | Vegetated areas properly maintained and erosion-free | |
| | Site is routinely inspected for indication of illicit discharges | |

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Town of Vinton Facility # 4 – Organic Collection Site Checklist

*Public Works Department is responsible for conducting quarterly inspections, at minimum, of its own facilities. Please submit completed forms to:
Anita McMillan, Planning and Zoning Director/Stormwater Program Manager*

Date: 7/27/23 Time: 1:00pm Inspector: Kenny Sledd

Facility Name and Location: #4 Organic Materials Collection Site, 835 3rd Street, Vinton

Description of Activities: Quarterly

Receiving Waterway: Tinker Creek

Fueling Areas

| | Comments |
|---|----------|
| Proper use of spill overflow protection | |
| Roof over fueling area | |
| Dry cleanup methods used for fuel spills | |
| Tank certified by PBCDERM | |
| Leak detection system for fuel tanks | |
| Fueling pad graded for minimum run-on of stormwater | |
| Fueling pad discharges into a sump pump, not into a storm drain | |

Vehicle and Equipment Maintenance

| | Comments |
|--|----------|
| Proper storage & disposal of greasy rags, oil/air filters, batteries, spent coolants | |
| Labeling & tracking for the recycling of hazardous waste materials | |
| Hazardous materials stored properly without evidence of spills | |
| Inventory of materials maintained onsite & Material Safety Data sheets | |
| Wrecked and "part" vehicles drained of all fluids | |
| Stored liquids and batteries have secondary containment | |
| Liquid waste disposed of properly and not being poured into storm system/sinks | |
| Empty drip pans are cleaned and properly stored | |
| Floor drains discharge into a storage sump with an oil/water separator | |

Outdoor Vehicle and Equipment Storage

| | Comments |
|---|----------|
| Ground free of visual stains from oil or other vehicle fluids | |
| Drip pans used during vehicle maintenance | |
| Drip pans cleaned and properly stored | |
| Storage are covered and properly maintained | |

| Painting Areas | | Comments |
|----------------|---|----------|
| | Paint and paint thinner stored and properly labeled | |
| | Spray paint booths properly operate and have an OSHA-approved hood | |
| | Personal protection devices/clothes cleaned and properly stored | |
| | Proper painting equipment being used and is properly cleaned/stored | |
| | Recycling of used paints, paint thinner, and solvents | |
| | Employees trained on proper painting and cleaning procedures | |

| Vehicle and Equipment Washing Areas | | Comments |
|-------------------------------------|---|----------|
| | Area designated for cleaning activities | |
| | Wash waters are contained & recycled, sumps clean & properly used | |
| | Proper grading for wash pad | |
| | Parts and equipment washed within designated cleaning area | |
| | Employees trained on proper washing procedures | |

| Liquid Storage in Above-Ground Storage | | Comments |
|--|---|----------|
| | Installed per design with no leaks (pipes, pumps, valves, hoses, flanges) | |
| | Storage containers maintained in good condition | |
| | Safeguards installed (such as secondary containment) | |
| | System regularly inspected | |
| | Chemicals are stored with compatible chemicals | |
| | Container labels can be easily read; containers are properly labeled | |
| | Employees trained on proper filling and transfer procedures | |

| Improper Connections to Storm Drainage System | | Comments |
|---|--|----------|
| | Floor drains connected to sanitary sewer system, not to storm drains | |
| | Runoff from wash, maintenance, storage, and fueling areas are not directed to storm drains | |
| | Facility has updated plumbing schematics to accurately reflect discharge locations | |
| | All underground storage tanks are maintained with proper safeguards | |
| | Employees trained on proper disposal of all materials used onsite | |

| General Site | | Comments |
|--------------|--|----------|
| | Emergency Response Plan onsite | |
| — | Employees trained for emergency procedures | |
| | Material Safety Data sheets maintained in a convenient location for emergency response | |
| ✓ | Stockpiles properly maintained to prevent runoff | |
| ✓ | Proper litter control (container lids are closed, containers are upright) | |
| ✓ | Vegetated areas properly maintained and erosion-free | |
| ✓ | Site is routinely inspected for indication of illicit discharges | |

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are approximately 20 lines visible. The paper appears to be a standard notebook page, possibly from a composition book. The edges of the paper are slightly irregular, suggesting it might be a scan of a physical document. There is no handwriting or other markings on the page.



Town of Vinton **Facility # 4 – Organic Collection Site** **Checklist**

Public Works Department is responsible for conducting quarterly inspections, at minimum, of its own facilities. Please submit completed forms to: Anita McMillan, Planning and Zoning Director/Stormwater Program Manager

Date: 10/25/23 **Time:** 11:00 AM **Inspector:** Kenny Sled

Facility Name and Location: #4 Organic Materials Collection Site, 835 3rd Street, Vinton

Description of Activities: Quarterly

Receiving Waterway: Tinker Creek

Fueling Areas

Comments

| | |
|---|--|
| Proper use of spill overflow protection | |
| Roof over fueling area | |
| Dry cleanup methods used for fuel spills | |
| Tank certified by PBCDERM | |
| Leak detection system for fuel tanks | |
| Fueling pad graded for minimum run-on of stormwater | |
| Fueling pad discharges into a sump pump, not into a storm drain | |

Vehicle and Equipment Maintenance

Comments

| | |
|--|--|
| Proper storage & disposal of greasy rags, oil/air filters, batteries, spent coolants | |
| Labeling & tracking for the recycling of hazardous waste materials | |
| Hazardous materials stored properly without evidence of spills | |
| Inventory of materials maintained onsite & Material Safety Data sheets | |
| Wrecked and "part" vehicles drained of all fluids | |
| Stored liquids and batteries have secondary containment | |
| Liquid waste disposed of properly and not being poured into storm system/sinks | |
| Empty drip pans are cleaned and properly stored | |
| Floor drains discharge into a storage sump with an oil/water separator | |

Outdoor Vehicle and Equipment Storage

Comments

| | |
|---|--|
| Ground free of visual stains from oil or other vehicle fluids | |
| Drip pans used during vehicle maintenance | |
| Drip pans cleaned and properly stored | |
| Storage are covered and properly maintained | |

Painting Areas**Comments**

| | | |
|--|---|--|
| | Paint and paint thinner stored and properly labeled | |
| | Spray paint booths properly operate and have an OSHA-approved hood | |
| | Personal protection devices/clothes cleaned and properly stored | |
| | Proper painting equipment being used and is properly cleaned/stored | |
| | Recycling of used paints, paint thinner, and solvents | |
| | Employees trained on proper painting and cleaning procedures | |

Vehicle and Equipment Washing Areas**Comments**

| | | |
|--|---|--|
| | Area designated for cleaning activities | |
| | Wash waters are contained & recycled, sumps clean & properly used | |
| | Proper grading for wash pad | |
| | Parts and equipment washed within designated cleaning area | |
| | Employees trained on proper washing procedures | |

Liquid Storage in Above-Ground Storage**Comments**

| | | |
|--|---|--|
| | Installed per design with no leaks (pipes, pumps, valves, hoses, flanges) | |
| | Storage containers maintained in good condition | |
| | Safeguards installed (such as secondary containment) | |
| | System regularly inspected | |
| | Chemicals are stored with compatible chemicals | |
| | Container labels can be easily read; containers are properly labeled | |
| | Employees trained on proper filling and transfer procedures | |

Improper Connections to Storm Drainage System**Comments**

| | | |
|--|--|--|
| | Floor drains connected to sanitary sewer system, not to storm drains | |
| | Runoff from wash, maintenance, storage, and fueling areas are not directed to storm drains | |
| | Facility has updated plumbing schematics to accurately reflect discharge locations | |
| | All underground storage tanks are maintained with proper safeguards | |
| | Employees trained on proper disposal of all materials used onsite | |

General Site**Comments**

| | | |
|--|--|--|
| | Emergency Response Plan onsite | |
| | Employees trained for emergency procedures | |
| | Material Safety Data sheets maintained in a convenient location for emergency response | |
| | Stockpiles properly maintained to prevent runoff | |
| | Proper litter control (container lids are closed, containers are upright) | |
| | Vegetated areas properly maintained and erosion-free | |
| | Site is routinely inspected for indication of illicit discharges | |

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Town of Vinton

Facility # 4 – Organic Collection Site

Checklist

*Public Works Department is responsible for conducting quarterly inspections, at minimum, of its own facilities. Please submit completed forms to:
Anita McMillan, Planning and Zoning Director/Stormwater Program Manager*

Date: 1/31/24 Time: 10:00 PM Inspector: Kenny Sledd

Facility Name and Location: #4 Organic Materials Collection Site, 835 3rd Street, Vinton

Description of Activities: Quarterly

Receiving Waterway: Tinker Creek

Fueling Areas

Comments

| | | |
|--------------------------|---|--|
| <input type="checkbox"/> | Proper use of spill overflow protection | |
| <input type="checkbox"/> | Roof over fueling area | |
| <input type="checkbox"/> | Dry cleanup methods used for fuel spills | |
| <input type="checkbox"/> | Tank certified by PBCDERM | |
| <input type="checkbox"/> | Leak detection system for fuel tanks | |
| <input type="checkbox"/> | Fueling pad graded for minimum run-on of stormwater | |
| <input type="checkbox"/> | Fueling pad discharges into a sump pump, not into a storm drain | |

Vehicle and Equipment Maintenance

Comments

| | | |
|--------------------------|--|--|
| <input type="checkbox"/> | Proper storage & disposal of greasy rags, oil/air filters, batteries, spent coolants | |
| <input type="checkbox"/> | Labeling & tracking for the recycling of hazardous waste materials | |
| <input type="checkbox"/> | Hazardous materials stored properly without evidence of spills | |
| <input type="checkbox"/> | Inventory of materials maintained onsite & Material Safety Data sheets | |
| <input type="checkbox"/> | Wrecked and "part" vehicles drained of all fluids | |
| <input type="checkbox"/> | Stored liquids and batteries have secondary containment | |
| <input type="checkbox"/> | Liquid waste disposed of properly and not being poured into storm system/sinks | |
| <input type="checkbox"/> | Empty drip pans are cleaned and properly stored | |
| <input type="checkbox"/> | Floor drains discharge into a storage sump with an oil/water separator | |

Outdoor Vehicle and Equipment Storage

Comments

| | | |
|--------------------------|---|--|
| <input type="checkbox"/> | Ground free of visual stains from oil or other vehicle fluids | |
| <input type="checkbox"/> | Drip pans used during vehicle maintenance | |
| <input type="checkbox"/> | Drip pans cleaned and properly stored | |
| <input type="checkbox"/> | Storage are covered and properly maintained | |

Painting Areas**Comments**

| | | |
|--|---|--|
| | Paint and paint thinner stored and properly labeled | |
| | Spray paint booths properly operate and have an OSHA-approved hood | |
| | Personal protection devices/clothes cleaned and properly stored | |
| | Proper painting equipment being used and is properly cleaned/stored | |
| | Recycling of used paints, paint thinner, and solvents | |
| | Employees trained on proper painting and cleaning procedures | |

Vehicle and Equipment Washing Areas**Comments**

| | | |
|--|---|--|
| | Area designated for cleaning activities | |
| | Wash waters are contained & recycled, sumps clean & properly used | |
| | Proper grading for wash pad | |
| | Parts and equipment washed within designated cleaning area | |
| | Employees trained on proper washing procedures | |

Liquid Storage in Above-Ground Storage**Comments**

| | | |
|--|---|--|
| | Installed per design with no leaks (pipes, pumps, valves, hoses, flanges) | |
| | Storage containers maintained in good condition | |
| | Safeguards installed (such as secondary containment) | |
| | System regularly inspected | |
| | Chemicals are stored with compatible chemicals | |
| | Container labels can be easily read; containers are properly labeled | |
| | Employees trained on proper filling and transfer procedures | |

Improper Connections to Storm Drainage System**Comments**

| | | |
|--|--|--|
| | Floor drains connected to sanitary sewer system, not to storm drains | |
| | Runoff from wash, maintenance, storage, and fueling areas are not directed to storm drains | |
| | Facility has updated plumbing schematics to accurately reflect discharge locations | |
| | All underground storage tanks are maintained with proper safeguards | |
| | Employees trained on proper disposal of all materials used onsite | |

General Site**Comments**

| | | |
|--|--|--|
| | Emergency Response Plan onsite | |
| | Employees trained for emergency procedures | |
| | Material Safety Data sheets maintained in a convenient location for emergency response | |
| | Stockpiles properly maintained to prevent runoff | |
| | Proper litter control (container lids are closed, containers are upright) | |
| | Vegetated areas properly maintained and erosion-free | |
| | Site is routinely inspected for indication of illicit discharges | |

[illegible]



Town of Vinton Facility # 4 – Organic Collection Site Checklist

Public Works Department is responsible for conducting quarterly inspections, at minimum, of its own facilities. Please submit completed forms to:
Anita McMillan, Planning and Zoning Director/Stormwater Program Manager

Date: 4/9/24 Time: 9:20 AM Inspector: Kenny Stedd

Facility Name and Location: #4 Organic Materials Collection Site, 835 3rd Street, Vinton

Description of Activities: Quarterly

Receiving Waterway: Tinker Creek

Fueling Areas

Comments

| | | |
|--------------------------|---|--|
| <input type="checkbox"/> | Proper use of spill overflow protection | |
| <input type="checkbox"/> | Roof over fueling area | |
| <input type="checkbox"/> | Dry cleanup methods used for fuel spills | |
| <input type="checkbox"/> | Tank certified by PBCDERM | |
| <input type="checkbox"/> | Leak detection system for fuel tanks | |
| <input type="checkbox"/> | Fueling pad graded for minimum run-on of stormwater | |
| <input type="checkbox"/> | Fueling pad discharges into a sump pump, not into a storm drain | |

Vehicle and Equipment Maintenance

Comments

| | | |
|--------------------------|--|--|
| <input type="checkbox"/> | Proper storage & disposal of greasy rags, oil/air filters, batteries, spent coolants | |
| <input type="checkbox"/> | Labeling & tracking for the recycling of hazardous waste materials | |
| <input type="checkbox"/> | Hazardous materials stored properly without evidence of spills | |
| <input type="checkbox"/> | Inventory of materials maintained onsite & Material Safety Data sheets | |
| <input type="checkbox"/> | Wrecked and "part" vehicles drained of all fluids | |
| <input type="checkbox"/> | Stored liquids and batteries have secondary containment | |
| <input type="checkbox"/> | Liquid waste disposed of properly and not being poured into storm system/sinks | |
| <input type="checkbox"/> | Empty drip pans are cleaned and properly stored | |
| <input type="checkbox"/> | Floor drains discharge into a storage sump with an oil/water separator | |

Outdoor Vehicle and Equipment Storage

Comments

| | | |
|--------------------------|---|--|
| <input type="checkbox"/> | Ground free of visual stains from oil or other vehicle fluids | |
| <input type="checkbox"/> | Drip pans used during vehicle maintenance | |
| <input type="checkbox"/> | Drip pans cleaned and properly stored | |
| <input type="checkbox"/> | Storage are covered and properly maintained | |

Painting Areas**Comments**

| | | |
|--|---|--|
| | Paint and paint thinner stored and properly labeled | |
| | Spray paint booths properly operate and have an OSHA-approved hood | |
| | Personal protection devices/clothes cleaned and properly stored | |
| | Proper painting equipment being used and is properly cleaned/stored | |
| | Recycling of used paints, paint thinner, and solvents | |
| | Employees trained on proper painting and cleaning procedures | |

Vehicle and Equipment Washing Areas**Comments**

| | | |
|--|---|--|
| | Area designated for cleaning activities | |
| | Wash waters are contained & recycled, sumps clean & properly used | |
| | Proper grading for wash pad | |
| | Parts and equipment washed within designated cleaning area | |
| | Employees trained on proper washing procedures | |

Liquid Storage in Above-Ground Storage**Comments**

| | | |
|--|---|--|
| | Installed per design with no leaks (pipes, pumps, valves, hoses, flanges) | |
| | Storage containers maintained in good condition | |
| | Safeguards installed (such as secondary containment) | |
| | System regularly inspected | |
| | Chemicals are stored with compatible chemicals | |
| | Container labels can be easily read; containers are properly labeled | |
| | Employees trained on proper filling and transfer procedures | |

Improper Connections to Storm Drainage System**Comments**

| | | |
|--|--|--|
| | Floor drains connected to sanitary sewer system, not to storm drains | |
| | Runoff from wash, maintenance, storage, and fueling areas are not directed to storm drains | |
| | Facility has updated plumbing schematics to accurately reflect discharge locations | |
| | All underground storage tanks are maintained with proper safeguards | |
| | Employees trained on proper disposal of all materials used onsite | |

General Site**Comments**

| | | |
|---|--|--|
| | Emergency Response Plan onsite | |
| ✓ | Employees trained for emergency procedures | |
| | Material Safety Data sheets maintained in a convenient location for emergency response | |
| ✓ | Stockpiles properly maintained to prevent runoff | |
| ✓ | Proper litter control (container lids are closed, containers are upright) | |
| ✓ | Vegetated areas properly maintained and erosion-free | |
| ✓ | Site is routinely inspected for indication of illicit discharges | |

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



Town of Vinton

Facility # 3 Road Salt and Vehicles/Equipment Storage

Inspection Checklist

Public Works Department is responsible for conducting quarterly inspections, at minimum, of its own facilities. Please submit completed forms to:
Anita McMillan, Planning and Zoning Director/Stormwater Program Manager

Date: 7/27/23 Time: 10:00AM Inspector: Kenny Stedd

Facility Name and Location: #3 Road Salt and Vehicles/Equipment, 830 3rd Street, Vinton

Description of Activities: Quarterly

Receiving Waterway: Tinker Creek

Fueling Areas

Comments

| | | |
|--------------------------|---|--|
| <input type="checkbox"/> | Proper use of spill overflow protection | |
| <input type="checkbox"/> | Roof over fueling area | |
| <input type="checkbox"/> | Dry cleanup methods used for fuel spills | |
| <input type="checkbox"/> | Tank certified by PBCDERM | |
| <input type="checkbox"/> | Leak detection system for fuel tanks | |
| <input type="checkbox"/> | Fueling pad graded for minimum run-on of stormwater | |
| <input type="checkbox"/> | Fueling pad discharges into a sump pump, not into a storm drain | |

Vehicle and Equipment Maintenance

Comments

| | | |
|--------------------------|--|--|
| <input type="checkbox"/> | Proper storage & disposal of greasy rags, oil/air filters, batteries, spent coolants | |
| <input type="checkbox"/> | Labeling & tracking for the recycling of hazardous waste materials | |
| <input type="checkbox"/> | Hazardous materials stored properly without evidence of spills | |
| <input type="checkbox"/> | Inventory of materials maintained onsite & Material Safety Data sheets | |
| <input type="checkbox"/> | Wrecked and "part" vehicles drained of all fluids | |
| <input type="checkbox"/> | Stored liquids and batteries have secondary containment | |
| <input type="checkbox"/> | Liquid waste disposed of properly and not being poured into storm system/sinks | |
| <input type="checkbox"/> | Empty drip pans are cleaned and properly stored | |
| <input type="checkbox"/> | Floor drains discharge into a storage sump with an oil/water separator | |

Outdoor Vehicle and Equipment Storage

Comments

| | | |
|-------------------------------------|---|--|
| <input checked="" type="checkbox"/> | Ground free of visual stains from oil or other vehicle fluids | |
| <input checked="" type="checkbox"/> | Drip pans used during vehicle maintenance | |
| <input checked="" type="checkbox"/> | Drip pans cleaned and properly stored | |
| <input checked="" type="checkbox"/> | Storage are covered and properly maintained | |

Painting Areas**Comments**

| | | |
|--------------------------|---|--|
| <input type="checkbox"/> | Paint and paint thinner stored and properly labeled | |
| <input type="checkbox"/> | Spray paint booths properly operate and have an OSHA-approved hood | |
| <input type="checkbox"/> | Personal protection devices/clothes cleaned and properly stored | |
| <input type="checkbox"/> | Proper painting equipment being used and is properly cleaned/stored | |
| <input type="checkbox"/> | Recycling of used paints, paint thinner, and solvents | |
| <input type="checkbox"/> | Employees trained on proper painting and cleaning procedures | |

Vehicle and Equipment Washing Areas**Comments**

| | | |
|--------------------------|---|--|
| <input type="checkbox"/> | Area designated for cleaning activities | |
| <input type="checkbox"/> | Wash waters are contained & recycled, sumps clean & properly used | |
| <input type="checkbox"/> | Proper grading for wash pad | |
| <input type="checkbox"/> | Parts and equipment washed within designated cleaning area | |
| <input type="checkbox"/> | Employees trained on proper washing procedures | |

Liquid Storage in Above-Ground Storage**Comments**

| | | |
|-------------------------------------|---|--|
| <input checked="" type="checkbox"/> | Installed per design with no leaks (pipes, pumps, valves, hoses, flanges) | |
| <input checked="" type="checkbox"/> | Storage containers maintained in good condition | |
| <input type="checkbox"/> | Safeguards installed (such as secondary containment) | |
| <input checked="" type="checkbox"/> | System regularly inspected | |
| <input type="checkbox"/> | Chemicals are stored with compatible chemicals | |
| <input type="checkbox"/> | Container labels can be easily read; containers are properly labeled | |
| <input checked="" type="checkbox"/> | Employees trained on proper filling and transfer procedures | |

Improper Connections to Storm Drainage System**Comments**

| | | |
|--------------------------|--|--|
| <input type="checkbox"/> | Floor drains connected to sanitary sewer system, not to storm drains | |
| <input type="checkbox"/> | Runoff from wash, maintenance, storage, and fueling areas are not directed to storm drains | |
| <input type="checkbox"/> | Facility has updated plumbing schematics to accurately reflect discharge locations | |
| <input type="checkbox"/> | All underground storage tanks are maintained with proper safeguards | |
| <input type="checkbox"/> | Employees trained on proper disposal of all materials used onsite | |

General Site**Comments**

| | | |
|-------------------------------------|--|--|
| <input checked="" type="checkbox"/> | Emergency Response Plan onsite | |
| <input checked="" type="checkbox"/> | Employees trained for emergency procedures | |
| <input type="checkbox"/> | Material Safety Data sheets maintained in a convenient location for emergency response | |
| <input type="checkbox"/> | Stockpiles properly maintained to prevent runoff | |
| <input checked="" type="checkbox"/> | Proper litter control (container lids are closed, containers are upright) | |
| <input checked="" type="checkbox"/> | Vegetated areas properly maintained and erosion-free | |
| <input checked="" type="checkbox"/> | Site is routinely inspected for indication of illicit discharges | |

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Town of Vinton

Facility # 3 Road Salt and Vehicles/Equipment Storage

Inspection Checklist

Public Works Department is responsible for conducting quarterly inspections, at minimum, of its own facilities. Please submit completed forms to:
Anita McMillan, Planning and Zoning Director/Stormwater Program Manager

Date: 10/25/23 Time: 10:10AM Inspector: Kenny Sled

Facility Name and Location: #3 Road Salt and Vehicles/Equipment, 830 3rd Street, Vinton

Description of Activities: Quarterly

Receiving Waterway: Tinker Creek

Fueling Areas

Comments

| | | |
|--------------------------|---|--|
| <input type="checkbox"/> | Proper use of spill overflow protection | |
| <input type="checkbox"/> | Roof over fueling area | |
| <input type="checkbox"/> | Dry cleanup methods used for fuel spills | |
| <input type="checkbox"/> | Tank certified by PBCDERM | |
| <input type="checkbox"/> | Leak detection system for fuel tanks | |
| <input type="checkbox"/> | Fueling pad graded for minimum run-on of stormwater | |
| <input type="checkbox"/> | Fueling pad discharges into a sump pump, not into a storm drain | |

Vehicle and Equipment Maintenance

Comments

| | | |
|--------------------------|--|--|
| <input type="checkbox"/> | Proper storage & disposal of greasy rags, oil/air filters, batteries, spent coolants | |
| <input type="checkbox"/> | Labeling & tracking for the recycling of hazardous waste materials | |
| <input type="checkbox"/> | Hazardous materials stored properly without evidence of spills | |
| <input type="checkbox"/> | Inventory of materials maintained onsite & Material Safety Data sheets | |
| <input type="checkbox"/> | Wrecked and "part" vehicles drained of all fluids | |
| <input type="checkbox"/> | Stored liquids and batteries have secondary containment | |
| <input type="checkbox"/> | Liquid waste disposed of properly and not being poured into storm system/sinks | |
| <input type="checkbox"/> | Empty drip pans are cleaned and properly stored | |
| <input type="checkbox"/> | Floor drains discharge into a storage sump with an oil/water separator | |

Outdoor Vehicle and Equipment Storage

Comments

| | | |
|-------------------------------------|---|--|
| <input checked="" type="checkbox"/> | Ground free of visual stains from oil or other vehicle fluids | |
| <input checked="" type="checkbox"/> | Drip pans used during vehicle maintenance | |
| <input checked="" type="checkbox"/> | Drip pans cleaned and properly stored | |
| <input checked="" type="checkbox"/> | Storage are covered and properly maintained | |

Painting Areas**Comments**

| | | |
|--|---|--|
| | Paint and paint thinner stored and properly labeled | |
| | Spray paint booths properly operate and have an OSHA-approved hood | |
| | Personal protection devices/clothes cleaned and properly stored | |
| | Proper painting equipment being used and is properly cleaned/stored | |
| | Recycling of used paints, paint thinner, and solvents | |
| | Employees trained on proper painting and cleaning procedures | |

Vehicle and Equipment Washing Areas**Comments**

| | | |
|--|---|--|
| | Area designated for cleaning activities | |
| | Wash waters are contained & recycled, sumps clean & properly used | |
| | Proper grading for wash pad | |
| | Parts and equipment washed within designated cleaning area | |
| | Employees trained on proper washing procedures | |

Liquid Storage in Above-Ground Storage**Comments**

| | | |
|---|---|--|
| ✓ | Installed per design with no leaks (pipes, pumps, valves, hoses, flanges) | |
| ✓ | Storage containers maintained in good condition | |
| | Safeguards installed (such as secondary containment) | |
| ✓ | System regularly inspected | |
| | Chemicals are stored with compatible chemicals | |
| | Container labels can be easily read; containers are properly labeled | |
| ✓ | Employees trained on proper filling and transfer procedures | |

Improper Connections to Storm Drainage System**Comments**

| | | |
|--|--|--|
| | Floor drains connected to sanitary sewer system, not to storm drains | |
| | Runoff from wash, maintenance, storage, and fueling areas are not directed to storm drains | |
| | Facility has updated plumbing schematics to accurately reflect discharge locations | |
| | All underground storage tanks are maintained with proper safeguards | |
| | Employees trained on proper disposal of all materials used onsite | |

General Site**Comments**

| | | |
|---|--|--|
| ✓ | Emergency Response Plan onsite | |
| ✓ | Employees trained for emergency procedures | |
| | Material Safety Data sheets maintained in a convenient location for emergency response | |
| ✓ | Stockpiles properly maintained to prevent runoff | |
| ✓ | Proper litter control (container lids are closed, containers are upright) | |
| ✓ | Vegetated areas properly maintained and erosion-free | |
| ✓ | Site is routinely inspected for indication of illicit discharges | |

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Town of Vinton

Facility # 3 Road Salt and Vehicles/Equipment Storage

Inspection Checklist

Public Works Department is responsible for conducting quarterly inspections, at minimum, of its own facilities. Please submit completed forms to:
Anita McMillan, Planning and Zoning Director/Stormwater Program Manager

Date: 1/31/24 Time: 9:00 am Inspector: Kenny Stedd

Facility Name and Location: #3 Road Salt and Vehicles/Equipment, 830 3rd Street, Vinton

Description of Activities: Quarterly

Receiving Waterway: Tinker Creek

Fueling Areas

Comments

| | | |
|--------------------------|---|--|
| <input type="checkbox"/> | Proper use of spill overflow protection | |
| <input type="checkbox"/> | Roof over fueling area | |
| <input type="checkbox"/> | Dry cleanup methods used for fuel spills | |
| <input type="checkbox"/> | Tank certified by PBCDERM | |
| <input type="checkbox"/> | Leak detection system for fuel tanks | |
| <input type="checkbox"/> | Fueling pad graded for minimum run-on of stormwater | |
| <input type="checkbox"/> | Fueling pad discharges into a sump pump, not into a storm drain | |

Vehicle and Equipment Maintenance

Comments

| | | |
|--------------------------|--|--|
| <input type="checkbox"/> | Proper storage & disposal of greasy rags, oil/air filters, batteries, spent coolants | |
| <input type="checkbox"/> | Labeling & tracking for the recycling of hazardous waste materials | |
| <input type="checkbox"/> | Hazardous materials stored properly without evidence of spills | |
| <input type="checkbox"/> | Inventory of materials maintained onsite & Material Safety Data sheets | |
| <input type="checkbox"/> | Wrecked and "part" vehicles drained of all fluids | |
| <input type="checkbox"/> | Stored liquids and batteries have secondary containment | |
| <input type="checkbox"/> | Liquid waste disposed of properly and not being poured into storm system/sinks | |
| <input type="checkbox"/> | Empty drip pans are cleaned and properly stored | |
| <input type="checkbox"/> | Floor drains discharge into a storage sump with an oil/water separator | |

Outdoor Vehicle and Equipment Storage

Comments

| | | |
|-------------------------------------|---|--|
| <input checked="" type="checkbox"/> | Ground free of visual stains from oil or other vehicle fluids | |
| <input checked="" type="checkbox"/> | Drip pans used during vehicle maintenance | |
| <input checked="" type="checkbox"/> | Drip pans cleaned and properly stored | |
| <input checked="" type="checkbox"/> | Storage are covered and properly maintained | |

Painting Areas**Comments**

| | | |
|--|---|--|
| | Paint and paint thinner stored and properly labeled | |
| | Spray paint booths properly operate and have an OSHA-approved hood | |
| | Personal protection devices/clothes cleaned and properly stored | |
| | Proper painting equipment being used and is properly cleaned/stored | |
| | Recycling of used paints, paint thinner, and solvents | |
| | Employees trained on proper painting and cleaning procedures | |

Vehicle and Equipment Washing Areas**Comments**

| | | |
|--|---|--|
| | Area designated for cleaning activities | |
| | Wash waters are contained & recycled, sumps clean & properly used | |
| | Proper grading for wash pad | |
| | Parts and equipment washed within designated cleaning area | |
| | Employees trained on proper washing procedures | |

Liquid Storage in Above-Ground Storage**Comments**

| | | |
|-------------------------------------|---|--|
| <input checked="" type="checkbox"/> | Installed per design with no leaks (pipes, pumps, valves, hoses, flanges) | |
| <input checked="" type="checkbox"/> | Storage containers maintained in good condition | |
| <input checked="" type="checkbox"/> | Safeguards installed (such as secondary containment) | |
| <input checked="" type="checkbox"/> | System regularly inspected | |
| <input checked="" type="checkbox"/> | Chemicals are stored with compatible chemicals | |
| <input checked="" type="checkbox"/> | Container labels can be easily read; containers are properly labeled | |
| <input checked="" type="checkbox"/> | Employees trained on proper filling and transfer procedures | |

Improper Connections to Storm Drainage System**Comments**

| | | |
|--|--|--|
| | Floor drains connected to sanitary sewer system, not to storm drains | |
| | Runoff from wash, maintenance, storage, and fueling areas are not directed to storm drains | |
| | Facility has updated plumbing schematics to accurately reflect discharge locations | |
| | All underground storage tanks are maintained with proper safeguards | |
| | Employees trained on proper disposal of all materials used onsite | |

General Site**Comments**

| | | |
|-------------------------------------|--|--|
| <input checked="" type="checkbox"/> | Emergency Response Plan onsite | |
| <input checked="" type="checkbox"/> | Employees trained for emergency procedures | |
| <input checked="" type="checkbox"/> | Material Safety Data sheets maintained in a convenient location for emergency response | |
| <input checked="" type="checkbox"/> | Stockpiles properly maintained to prevent runoff | |
| <input checked="" type="checkbox"/> | Proper litter control (container lids are closed, containers are upright) | |
| <input checked="" type="checkbox"/> | Vegetated areas properly maintained and erosion-free | |
| <input checked="" type="checkbox"/> | Site is routinely inspected for indication of illicit discharges | |

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



Town of Vinton

Facility # 3 Road Salt and Vehicles/Equipment Storage

Inspection Checklist

Public Works Department is responsible for conducting quarterly inspections, at minimum, of its own facilities. Please submit completed forms to:
Anita McMillan, Planning and Zoning Director/Stormwater Program Manager

Date: 4/9/24 Time: 8:45 AM Inspector: Kenny Sledd

Facility Name and Location: #3 Road Salt and Vehicles/Equipment, 830 3rd Street, Vinton

Description of Activities: Quarterly

Receiving Waterway: Tinker Creek

Fueling Areas

Comments

| | | |
|--------------------------|---|--|
| <input type="checkbox"/> | Proper use of spill overflow protection | |
| <input type="checkbox"/> | Roof over fueling area | |
| <input type="checkbox"/> | Dry cleanup methods used for fuel spills | |
| <input type="checkbox"/> | Tank certified by PBCDERM | |
| <input type="checkbox"/> | Leak detection system for fuel tanks | |
| <input type="checkbox"/> | Fueling pad graded for minimum run-on of stormwater | |
| <input type="checkbox"/> | Fueling pad discharges into a sump pump, not into a storm drain | |

Vehicle and Equipment Maintenance

Comments

| | | |
|--------------------------|--|--|
| <input type="checkbox"/> | Proper storage & disposal of greasy rags, oil/air filters, batteries, spent coolants | |
| <input type="checkbox"/> | Labeling & tracking for the recycling of hazardous waste materials | |
| <input type="checkbox"/> | Hazardous materials stored properly without evidence of spills | |
| <input type="checkbox"/> | Inventory of materials maintained onsite & Material Safety Data sheets | |
| <input type="checkbox"/> | Wrecked and "part" vehicles drained of all fluids | |
| <input type="checkbox"/> | Stored liquids and batteries have secondary containment | |
| <input type="checkbox"/> | Liquid waste disposed of properly and not being poured into storm system/sinks | |
| <input type="checkbox"/> | Empty drip pans are cleaned and properly stored | |
| <input type="checkbox"/> | Floor drains discharge into a storage sump with an oil/water separator | |

Outdoor Vehicle and Equipment Storage

Comments

| | | |
|-------------------------------------|---|--|
| <input checked="" type="checkbox"/> | Ground free of visual stains from oil or other vehicle fluids | |
| <input checked="" type="checkbox"/> | Drip pans used during vehicle maintenance | |
| <input checked="" type="checkbox"/> | Drip pans cleaned and properly stored | |
| <input checked="" type="checkbox"/> | Storage are covered and properly maintained | |

Painting Areas**Comments**

| | | |
|--------------------------|---|--|
| <input type="checkbox"/> | Paint and paint thinner stored and properly labeled | |
| <input type="checkbox"/> | Spray paint booths properly operate and have an OSHA-approved hood | |
| <input type="checkbox"/> | Personal protection devices/clothes cleaned and properly stored | |
| <input type="checkbox"/> | Proper painting equipment being used and is properly cleaned/stored | |
| <input type="checkbox"/> | Recycling of used paints, paint thinner, and solvents | |
| <input type="checkbox"/> | Employees trained on proper painting and cleaning procedures | |

Vehicle and Equipment Washing Areas**Comments**

| | | |
|--------------------------|---|--|
| <input type="checkbox"/> | Area designated for cleaning activities | |
| <input type="checkbox"/> | Wash waters are contained & recycled, sumps clean & properly used | |
| <input type="checkbox"/> | Proper grading for wash pad | |
| <input type="checkbox"/> | Parts and equipment washed within designated cleaning area | |
| <input type="checkbox"/> | Employees trained on proper washing procedures | |

Liquid Storage in Above-Ground Storage**Comments**

| | | |
|-------------------------------------|---|--|
| <input checked="" type="checkbox"/> | Installed per design with no leaks (pipes, pumps, valves, hoses, flanges) | |
| <input checked="" type="checkbox"/> | Storage containers maintained in good condition | |
| <input type="checkbox"/> | Safeguards installed (such as secondary containment) | |
| <input checked="" type="checkbox"/> | System regularly inspected | |
| <input type="checkbox"/> | Chemicals are stored with compatible chemicals | |
| <input type="checkbox"/> | Container labels can be easily read; containers are properly labeled | |
| <input checked="" type="checkbox"/> | Employees trained on proper filling and transfer procedures | |

Improper Connections to Storm Drainage System**Comments**

| | | |
|--------------------------|--|--|
| <input type="checkbox"/> | Floor drains connected to sanitary sewer system, not to storm drains | |
| <input type="checkbox"/> | Runoff from wash, maintenance, storage, and fueling areas are not directed to storm drains | |
| <input type="checkbox"/> | Facility has updated plumbing schematics to accurately reflect discharge locations | |
| <input type="checkbox"/> | All underground storage tanks are maintained with proper safeguards | |
| <input type="checkbox"/> | Employees trained on proper disposal of all materials used onsite | |

General Site**Comments**

| | | |
|-------------------------------------|--|--|
| <input checked="" type="checkbox"/> | Emergency Response Plan onsite | |
| <input checked="" type="checkbox"/> | Employees trained for emergency procedures | |
| <input checked="" type="checkbox"/> | Material Safety Data sheets maintained in a convenient location for emergency response | |
| <input checked="" type="checkbox"/> | Stockpiles properly maintained to prevent runoff | |
| <input checked="" type="checkbox"/> | Proper litter control (container lids are closed, containers are upright) | |
| <input checked="" type="checkbox"/> | Vegetated areas properly maintained and erosion-free | |
| <input checked="" type="checkbox"/> | Site is routinely inspected for indication of illicit discharges | |

[illegible]



Town of Vinton Facility # 2 Materials Laydown Yard Inspection Checklist

Public Works Department is responsible for conducting quarterly inspections, at minimum, of its own facilities. Please submit completed forms to:
Anita McMillan, Planning and Zoning Director/Stormwater Program Manager

Date: 7/27/23 Time: 9:00 am Inspector: Kenny Skedd

Facility Name and Location: # 2 Materials Laydown Yard, 801 3rd Street, Vinton

Description of Activities: Quarterly

Receiving Waterway: Tinker Creek

Fueling Areas

Comments

| | | |
|--------------------------|---|--|
| <input type="checkbox"/> | Proper use of spill overflow protection | |
| <input type="checkbox"/> | Roof over fueling area | |
| <input type="checkbox"/> | Dry cleanup methods used for fuel spills | |
| <input type="checkbox"/> | Tank certified by PBCDERM | |
| <input type="checkbox"/> | Leak detection system for fuel tanks | |
| <input type="checkbox"/> | Fueling pad graded for minimum run-on of stormwater | |
| <input type="checkbox"/> | Fueling pad discharges into a sump pump, not into a storm drain | |

Vehicle and Equipment Maintenance

Comments

| | | |
|--------------------------|--|--|
| <input type="checkbox"/> | Proper storage & disposal of greasy rags, oil/air filters, batteries, spent coolants | |
| <input type="checkbox"/> | Labeling & tracking for the recycling of hazardous waste materials | |
| <input type="checkbox"/> | Hazardous materials stored properly without evidence of spills | |
| <input type="checkbox"/> | Inventory of materials maintained onsite & Material Safety Data sheets | |
| <input type="checkbox"/> | Wrecked and "part" vehicles drained of all fluids | |
| <input type="checkbox"/> | Stored liquids and batteries have secondary containment | |
| <input type="checkbox"/> | Liquid waste disposed of properly and not being poured into storm system/sinks | |
| <input type="checkbox"/> | Empty drip pans are cleaned and properly stored | |
| <input type="checkbox"/> | Floor drains discharge into a storage sump with an oil/water separator | |

Outdoor Vehicle and Equipment Storage

Comments

| | | |
|--------------------------|---|--|
| <input type="checkbox"/> | Ground free of visual stains from oil or other vehicle fluids | |
| <input type="checkbox"/> | Drip pans used during vehicle maintenance | |
| <input type="checkbox"/> | Drip pans cleaned and properly stored | |
| <input type="checkbox"/> | Storage are covered and properly maintained | |

Painting Areas**Comments**

| | | |
|--|---|--|
| | Paint and paint thinner stored and properly labeled | |
| | Spray paint booths properly operate and have an OSHA-approved hood | |
| | Personal protection devices/clothes cleaned and properly stored | |
| | Proper painting equipment being used and is properly cleaned/stored | |
| | Recycling of used paints, paint thinner, and solvents | |
| | Employees trained on proper painting and cleaning procedures | |

Vehicle and Equipment Washing Areas**Comments**

| | | |
|---|---|--|
| ✓ | Area designated for cleaning activities | |
| ✓ | Wash waters are contained & recycled, sumps clean & properly used | |
| ✓ | Proper grading for wash pad | |
| ✓ | Parts and equipment washed within designated cleaning area | |
| ✓ | Employees trained on proper washing procedures | |

Liquid Storage in Above-Ground Storage**Comments**

| | | |
|--|---|--|
| | Installed per design with no leaks (pipes, pumps, valves, hoses, flanges) | |
| | Storage containers maintained in good condition | |
| | Safeguards installed (such as secondary containment) | |
| | System regularly inspected | |
| | Chemicals are stored with compatible chemicals | |
| | Container labels can be easily read; containers are properly labeled | |
| | Employees trained on proper filling and transfer procedures | |

Improper Connections to Storm Drainage System**Comments**

| | | |
|---|--|--|
| ✓ | Floor drains connected to sanitary sewer system, not to storm drains | |
| ✓ | Runoff from wash, maintenance, storage, and fueling areas are not directed to storm drains | |
| | Facility has updated plumbing schematics to accurately reflect discharge locations | |
| | All underground storage tanks are maintained with proper safeguards | |
| ✓ | Employees trained on proper disposal of all materials used onsite | |

General Site**Comments**

| | | |
|---|--|--|
| | Emergency Response Plan onsite | |
| ✓ | Employees trained for emergency procedures | |
| | Material Safety Data sheets maintained in a convenient location for emergency response | |
| ✓ | Stockpiles properly maintained to prevent runoff | |
| ✓ | Proper litter control (container lids are closed, containers are upright) | |
| ✓ | Vegetated areas properly maintained and erosion-free | |
| ✓ | Site is routinely inspected for indication of illicit discharges | |

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



Town of Vinton Facility # 2 Materials Laydown Yard Inspection Checklist

Public Works Department is responsible for conducting quarterly inspections, at minimum, of its own facilities. Please submit completed forms to:
Anita McMillan, Planning and Zoning Director/Stormwater Program Manager

Date: 10/25/23 Time: 9:30am Inspector: Kenny Stedd

Facility Name and Location: # 2 Materials Laydown Yard, 801 3rd Street, Vinton

Description of Activities: Quarterly

Receiving Waterway: Tinker Creek

Fueling Areas

Comments

| | | |
|--------------------------|---|--|
| <input type="checkbox"/> | Proper use of spill overflow protection | |
| <input type="checkbox"/> | Roof over fueling area | |
| <input type="checkbox"/> | Dry cleanup methods used for fuel spills | |
| <input type="checkbox"/> | Tank certified by PBCDERM | |
| <input type="checkbox"/> | Leak detection system for fuel tanks | |
| <input type="checkbox"/> | Fueling pad graded for minimum run-on of stormwater | |
| <input type="checkbox"/> | Fueling pad discharges into a sump pump, not into a storm drain | |

Vehicle and Equipment Maintenance

Comments

| | | |
|--------------------------|--|--|
| <input type="checkbox"/> | Proper storage & disposal of greasy rags, oil/air filters, batteries, spent coolants | |
| <input type="checkbox"/> | Labeling & tracking for the recycling of hazardous waste materials | |
| <input type="checkbox"/> | Hazardous materials stored properly without evidence of spills | |
| <input type="checkbox"/> | Inventory of materials maintained onsite & Material Safety Data sheets | |
| <input type="checkbox"/> | Wrecked and "part" vehicles drained of all fluids | |
| <input type="checkbox"/> | Stored liquids and batteries have secondary containment | |
| <input type="checkbox"/> | Liquid waste disposed of properly and not being poured into storm system/sinks | |
| <input type="checkbox"/> | Empty drip pans are cleaned and properly stored | |
| <input type="checkbox"/> | Floor drains discharge into a storage sump with an oil/water separator | |

Outdoor Vehicle and Equipment Storage

Comments

| | | |
|--------------------------|---|--|
| <input type="checkbox"/> | Ground free of visual stains from oil or other vehicle fluids | |
| <input type="checkbox"/> | Drip pans used during vehicle maintenance | |
| <input type="checkbox"/> | Drip pans cleaned and properly stored | |
| <input type="checkbox"/> | Storage are covered and properly maintained | |

Painting Areas**Comments**

| | | |
|--------------------------|---|--|
| <input type="checkbox"/> | Paint and paint thinner stored and properly labeled | |
| <input type="checkbox"/> | Spray paint booths properly operate and have an OSHA-approved hood | |
| <input type="checkbox"/> | Personal protection devices/clothes cleaned and properly stored | |
| <input type="checkbox"/> | Proper painting equipment being used and is properly cleaned/stored | |
| <input type="checkbox"/> | Recycling of used paints, paint thinner, and solvents | |
| <input type="checkbox"/> | Employees trained on proper painting and cleaning procedures | |

Vehicle and Equipment Washing Areas**Comments**

| | | |
|-------------------------------------|---|--|
| <input checked="" type="checkbox"/> | Area designated for cleaning activities | |
| <input checked="" type="checkbox"/> | Wash waters are contained & recycled, sumps clean & properly used | |
| <input checked="" type="checkbox"/> | Proper grading for wash pad | |
| <input checked="" type="checkbox"/> | Parts and equipment washed within designated cleaning area | |
| <input checked="" type="checkbox"/> | Employees trained on proper washing procedures | |

Liquid Storage in Above-Ground Storage**Comments**

| | | |
|--------------------------|---|--|
| <input type="checkbox"/> | Installed per design with no leaks (pipes, pumps, valves, hoses, flanges) | |
| <input type="checkbox"/> | Storage containers maintained in good condition | |
| <input type="checkbox"/> | Safeguards installed (such as secondary containment) | |
| <input type="checkbox"/> | System regularly inspected | |
| <input type="checkbox"/> | Chemicals are stored with compatible chemicals | |
| <input type="checkbox"/> | Container labels can be easily read; containers are properly labeled | |
| <input type="checkbox"/> | Employees trained on proper filling and transfer procedures | |

Improper Connections to Storm Drainage System**Comments**

| | | |
|-------------------------------------|--|--|
| <input checked="" type="checkbox"/> | Floor drains connected to sanitary sewer system, not to storm drains | |
| <input checked="" type="checkbox"/> | Runoff from wash, maintenance, storage, and fueling areas are not directed to storm drains | |
| <input type="checkbox"/> | Facility has updated plumbing schematics to accurately reflect discharge locations | |
| <input checked="" type="checkbox"/> | All underground storage tanks are maintained with proper safeguards | |
| <input checked="" type="checkbox"/> | Employees trained on proper disposal of all materials used onsite | |

General Site**Comments**

| | | |
|-------------------------------------|--|--|
| <input type="checkbox"/> | Emergency Response Plan onsite | |
| <input checked="" type="checkbox"/> | Employees trained for emergency procedures | |
| <input type="checkbox"/> | Material Safety Data sheets maintained in a convenient location for emergency response | |
| <input checked="" type="checkbox"/> | Stockpiles properly maintained to prevent runoff | |
| <input checked="" type="checkbox"/> | Proper litter control (container lids are closed, containers are upright) | |
| <input checked="" type="checkbox"/> | Vegetated areas properly maintained and erosion-free | |
| <input checked="" type="checkbox"/> | Site is routinely inspected for indication of illicit discharges | |

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



Town of Vinton Facility # 2 Materials Laydown Yard Inspection Checklist

Public Works Department is responsible for conducting quarterly inspections, at minimum, of its own facilities. Please submit completed forms to:
Anita McMillan, Planning and Zoning Director/Stormwater Program Manager

Date: 1/31/24 Time: 8:30 AM Inspector: Kenny Sled

Facility Name and Location: # 2 Materials Laydown Yard, 801 3rd Street, Vinton

Description of Activities: Quarterly

Receiving Waterway: Tinker Creek

Fueling Areas

Comments

| | | |
|--------------------------|---|--|
| <input type="checkbox"/> | Proper use of spill overflow protection | |
| <input type="checkbox"/> | Roof over fueling area | |
| <input type="checkbox"/> | Dry cleanup methods used for fuel spills | |
| <input type="checkbox"/> | Tank certified by PBCDERM | |
| <input type="checkbox"/> | Leak detection system for fuel tanks | |
| <input type="checkbox"/> | Fueling pad graded for minimum run-on of stormwater | |
| <input type="checkbox"/> | Fueling pad discharges into a sump pump, not into a storm drain | |

Vehicle and Equipment Maintenance

Comments

| | | |
|--------------------------|--|--|
| <input type="checkbox"/> | Proper storage & disposal of greasy rags, oil/air filters, batteries, spent coolants | |
| <input type="checkbox"/> | Labeling & tracking for the recycling of hazardous waste materials | |
| <input type="checkbox"/> | Hazardous materials stored properly without evidence of spills | |
| <input type="checkbox"/> | Inventory of materials maintained onsite & Material Safety Data sheets | |
| <input type="checkbox"/> | Wrecked and "part" vehicles drained of all fluids | |
| <input type="checkbox"/> | Stored liquids and batteries have secondary containment | |
| <input type="checkbox"/> | Liquid waste disposed of properly and not being poured into storm system/sinks | |
| <input type="checkbox"/> | Empty drip pans are cleaned and properly stored | |
| <input type="checkbox"/> | Floor drains discharge into a storage sump with an oil/water separator | |

Outdoor Vehicle and Equipment Storage

Comments

| | | |
|--------------------------|---|--|
| <input type="checkbox"/> | Ground free of visual stains from oil or other vehicle fluids | |
| <input type="checkbox"/> | Drip pans used during vehicle maintenance | |
| <input type="checkbox"/> | Drip pans cleaned and properly stored | |
| <input type="checkbox"/> | Storage are covered and properly maintained | |

Painting Areas**Comments**

| | | |
|--------------------------|---|--|
| <input type="checkbox"/> | Paint and paint thinner stored and properly labeled | |
| <input type="checkbox"/> | Spray paint booths properly operate and have an OSHA-approved hood | |
| <input type="checkbox"/> | Personal protection devices/clothes cleaned and properly stored | |
| <input type="checkbox"/> | Proper painting equipment being used and is properly cleaned/stored | |
| <input type="checkbox"/> | Recycling of used paints, paint thinner, and solvents | |
| <input type="checkbox"/> | Employees trained on proper painting and cleaning procedures | |

Vehicle and Equipment Washing Areas**Comments**

| | | |
|-------------------------------------|---|--|
| <input checked="" type="checkbox"/> | Area designated for cleaning activities | |
| <input checked="" type="checkbox"/> | Wash waters are contained & recycled, sumps clean & properly used | |
| <input checked="" type="checkbox"/> | Proper grading for wash pad | |
| <input checked="" type="checkbox"/> | Parts and equipment washed within designated cleaning area | |
| <input checked="" type="checkbox"/> | Employees trained on proper washing procedures | |

Liquid Storage in Above-Ground Storage**Comments**

| | | |
|--------------------------|---|--|
| <input type="checkbox"/> | Installed per design with no leaks (pipes, pumps, valves, hoses, flanges) | |
| <input type="checkbox"/> | Storage containers maintained in good condition | |
| <input type="checkbox"/> | Safeguards installed (such as secondary containment) | |
| <input type="checkbox"/> | System regularly inspected | |
| <input type="checkbox"/> | Chemicals are stored with compatible chemicals | |
| <input type="checkbox"/> | Container labels can be easily read; containers are properly labeled | |
| <input type="checkbox"/> | Employees trained on proper filling and transfer procedures | |

Improper Connections to Storm Drainage System**Comments**

| | | |
|-------------------------------------|--|--|
| <input checked="" type="checkbox"/> | Floor drains connected to sanitary sewer system, not to storm drains | |
| <input checked="" type="checkbox"/> | Runoff from wash, maintenance, storage, and fueling areas are not directed to storm drains | |
| <input type="checkbox"/> | Facility has updated plumbing schematics to accurately reflect discharge locations | |
| <input type="checkbox"/> | All underground storage tanks are maintained with proper safeguards | |
| <input checked="" type="checkbox"/> | Employees trained on proper disposal of all materials used onsite | |

General Site**Comments**

| | | |
|-------------------------------------|--|--|
| <input checked="" type="checkbox"/> | Emergency Response Plan onsite | |
| <input checked="" type="checkbox"/> | Employees trained for emergency procedures | |
| <input type="checkbox"/> | Material Safety Data sheets maintained in a convenient location for emergency response | |
| <input checked="" type="checkbox"/> | Stockpiles properly maintained to prevent runoff | |
| <input checked="" type="checkbox"/> | Proper litter control (container lids are closed, containers are upright) | |
| <input checked="" type="checkbox"/> | Vegetated areas properly maintained and erosion-free | |
| <input checked="" type="checkbox"/> | Site is routinely inspected for indication of illicit discharges | |

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are approximately 20 lines visible. The paper appears to be a standard notebook page or a sheet of stationery designed for writing. The edges of the paper are slightly irregular, suggesting it might be a scan of a physical document. There is no handwriting or other markings on the page.



Town of Vinton Facility # 2 Materials Laydown Yard Inspection Checklist

Public Works Department is responsible for conducting quarterly inspections, at minimum, of its own facilities. Please submit completed forms to:
Anita McMillan, Planning and Zoning Director/Stormwater Program Manager

Date: 4/9/24 Time: 8:00 AM Inspector: Kenny Sled

Facility Name and Location: # 2 Materials Laydown Yard, 801 3rd Street, Vinton

Description of Activities: Quarterly

Receiving Waterway: Tinker Creek

Fueling Areas

Comments

| | | |
|--------------------------|---|--|
| <input type="checkbox"/> | Proper use of spill overflow protection | |
| <input type="checkbox"/> | Roof over fueling area | |
| <input type="checkbox"/> | Dry cleanup methods used for fuel spills | |
| <input type="checkbox"/> | Tank certified by PBCDERM | |
| <input type="checkbox"/> | Leak detection system for fuel tanks | |
| <input type="checkbox"/> | Fueling pad graded for minimum run-on of stormwater | |
| <input type="checkbox"/> | Fueling pad discharges into a sump pump, not into a storm drain | |

Vehicle and Equipment Maintenance

Comments

| | | |
|--------------------------|--|--|
| <input type="checkbox"/> | Proper storage & disposal of greasy rags, oil/air filters, batteries, spent coolants | |
| <input type="checkbox"/> | Labeling & tracking for the recycling of hazardous waste materials | |
| <input type="checkbox"/> | Hazardous materials stored properly without evidence of spills | |
| <input type="checkbox"/> | Inventory of materials maintained onsite & Material Safety Data sheets | |
| <input type="checkbox"/> | Wrecked and "part" vehicles drained of all fluids | |
| <input type="checkbox"/> | Stored liquids and batteries have secondary containment | |
| <input type="checkbox"/> | Liquid waste disposed of properly and not being poured into storm system/sinks | |
| <input type="checkbox"/> | Empty drip pans are cleaned and properly stored | |
| <input type="checkbox"/> | Floor drains discharge into a storage sump with an oil/water separator | |

Outdoor Vehicle and Equipment Storage

Comments

| | | |
|--------------------------|---|--|
| <input type="checkbox"/> | Ground free of visual stains from oil or other vehicle fluids | |
| <input type="checkbox"/> | Drip pans used during vehicle maintenance | |
| <input type="checkbox"/> | Drip pans cleaned and properly stored | |
| <input type="checkbox"/> | Storage are covered and properly maintained | |

Painting Areas**Comments**

| | | |
|--------------------------|---|--|
| <input type="checkbox"/> | Paint and paint thinner stored and properly labeled | |
| <input type="checkbox"/> | Spray paint booths properly operate and have an OSHA-approved hood | |
| <input type="checkbox"/> | Personal protection devices/clothes cleaned and properly stored | |
| <input type="checkbox"/> | Proper painting equipment being used and is properly cleaned/stored | |
| <input type="checkbox"/> | Recycling of used paints, paint thinner, and solvents | |
| <input type="checkbox"/> | Employees trained on proper painting and cleaning procedures | |

Vehicle and Equipment Washing Areas**Comments**

| | | |
|-------------------------------------|---|--|
| <input checked="" type="checkbox"/> | Area designated for cleaning activities | |
| <input checked="" type="checkbox"/> | Wash waters are contained & recycled, sumps clean & properly used | |
| <input checked="" type="checkbox"/> | Proper grading for wash pad | |
| <input checked="" type="checkbox"/> | Parts and equipment washed within designated cleaning area | |
| <input checked="" type="checkbox"/> | Employees trained on proper washing procedures | |

Liquid Storage in Above-Ground Storage**Comments**

| | | |
|--------------------------|---|--|
| <input type="checkbox"/> | Installed per design with no leaks (pipes, pumps, valves, hoses, flanges) | |
| <input type="checkbox"/> | Storage containers maintained in good condition | |
| <input type="checkbox"/> | Safeguards installed (such as secondary containment) | |
| <input type="checkbox"/> | System regularly inspected | |
| <input type="checkbox"/> | Chemicals are stored with compatible chemicals | |
| <input type="checkbox"/> | Container labels can be easily read; containers are properly labeled | |
| <input type="checkbox"/> | Employees trained on proper filling and transfer procedures | |

Improper Connections to Storm Drainage System**Comments**

| | | |
|-------------------------------------|--|--|
| <input checked="" type="checkbox"/> | Floor drains connected to sanitary sewer system, not to storm drains | |
| <input checked="" type="checkbox"/> | Runoff from wash, maintenance, storage, and fueling areas are not directed to storm drains | |
| <input type="checkbox"/> | Facility has updated plumbing schematics to accurately reflect discharge locations | |
| <input type="checkbox"/> | All underground storage tanks are maintained with proper safeguards | |
| <input checked="" type="checkbox"/> | Employees trained on proper disposal of all materials used onsite | |

General Site**Comments**

| | | |
|-------------------------------------|--|--|
| <input type="checkbox"/> | Emergency Response Plan onsite | |
| <input checked="" type="checkbox"/> | Employees trained for emergency procedures | |
| <input type="checkbox"/> | Material Safety Data sheets maintained in a convenient location for emergency response | |
| <input checked="" type="checkbox"/> | Stockpiles properly maintained to prevent runoff | |
| <input checked="" type="checkbox"/> | Proper litter control (container lids are closed, containers are upright) | |
| <input checked="" type="checkbox"/> | Vegetated areas properly maintained and erosion-free | |
| <input checked="" type="checkbox"/> | Site is routinely inspected for indication of illicit discharges | |

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



Town of Vinton

Facility # 1 – Vehicle Maintenance Facility/ Fueling Center

Checklist

Public Works Department is responsible for conducting quarterly inspections, at minimum, of its own facilities. Please submit completed forms to:
Anita McMillan, Planning and Zoning Director/Stormwater Program Manager

Date: 7/27/23 Time: 8:00 AM Inspector: Kenny Skedd

Facility Name and Location: #1 Vehicle Maintenance Facility/Fueling Center, 804 3rd Street, Vinton

Description of Activities: Quarterly

Receiving Waterway: Tinker Creek

Fueling Areas

Comments

| | | |
|-------------------------------------|---|--|
| <input checked="" type="checkbox"/> | Proper use of spill overflow protection | |
| <input checked="" type="checkbox"/> | Roof over fueling area | |
| <input checked="" type="checkbox"/> | Dry cleanup methods used for fuel spills | |
| <input type="checkbox"/> | Tank certified by PBCDERM | |
| <input checked="" type="checkbox"/> | Leak detection system for fuel tanks | |
| <input checked="" type="checkbox"/> | Fueling pad graded for minimum run-on of stormwater | |
| <input checked="" type="checkbox"/> | Fueling pad discharges into a sump pump, not into a storm drain | |

Vehicle and Equipment Maintenance

Comments

| | | |
|-------------------------------------|--|--|
| <input checked="" type="checkbox"/> | Proper storage & disposal of greasy rags, oil/air filters, batteries, spent coolants | |
| <input checked="" type="checkbox"/> | Labeling & tracking for the recycling of hazardous waste materials | |
| <input checked="" type="checkbox"/> | Hazardous materials stored properly without evidence of spills | |
| <input checked="" type="checkbox"/> | Inventory of materials maintained onsite & Material Safety Data sheets | |
| <input checked="" type="checkbox"/> | Wrecked and "part" vehicles drained of all fluids | |
| <input checked="" type="checkbox"/> | Stored liquids and batteries have secondary containment | |
| <input checked="" type="checkbox"/> | Liquid waste disposed of properly and not being poured into storm system/sinks | |
| <input checked="" type="checkbox"/> | Empty drip pans are cleaned and properly stored | |
| <input checked="" type="checkbox"/> | Floor drains discharge into a storage sump with an oil/water separator | |

Outdoor Vehicle and Equipment Storage

Comments

| | | |
|-------------------------------------|---|--|
| <input checked="" type="checkbox"/> | Ground free of visual stains from oil or other vehicle fluids | |
| <input checked="" type="checkbox"/> | Drip pans used during vehicle maintenance | |
| <input checked="" type="checkbox"/> | Drip pans cleaned and properly stored | |
| <input checked="" type="checkbox"/> | Storage are covered and properly maintained | |

| Painting Areas | | Comments |
|-------------------------------------|---|-----------------|
| <input checked="" type="checkbox"/> | Paint and paint thinner stored and properly labeled | |
| <input checked="" type="checkbox"/> | Spray paint booths properly operate and have an OSHA-approved hood | |
| <input checked="" type="checkbox"/> | Personal protection devices/clothes cleaned and properly stored | |
| <input checked="" type="checkbox"/> | Proper painting equipment being used and is properly cleaned/stored | |
| <input checked="" type="checkbox"/> | Recycling of used paints, paint thinner, and solvents | |
| <input checked="" type="checkbox"/> | Employees trained on proper painting and cleaning procedures | |

| Vehicle and Equipment Washing Areas | | Comments |
|--|---|-----------------|
| <input type="checkbox"/> | Area designated for cleaning activities | |
| <input type="checkbox"/> | Wash waters are contained & recycled, sumps clean & properly used | |
| <input type="checkbox"/> | Proper grading for wash pad | |
| <input type="checkbox"/> | Parts and equipment washed within designated cleaning area | |
| <input type="checkbox"/> | Employees trained on proper washing procedures | |

| Liquid Storage in Above-Ground Storage | | Comments |
|---|---|-----------------|
| <input checked="" type="checkbox"/> | Installed per design with no leaks (pipes, pumps, valves, hoses, flanges) | |
| <input checked="" type="checkbox"/> | Storage containers maintained in good condition | |
| <input checked="" type="checkbox"/> | Safeguards installed (such as secondary containment) | |
| <input checked="" type="checkbox"/> | System regularly inspected | |
| <input checked="" type="checkbox"/> | Chemicals are stored with compatible chemicals | |
| <input checked="" type="checkbox"/> | Container labels can be easily read; containers are properly labeled | |
| <input checked="" type="checkbox"/> | Employees trained on proper filling and transfer procedures | |

| Improper Connections to Storm Drainage System | | Comments |
|--|--|-----------------|
| <input checked="" type="checkbox"/> | Floor drains connected to sanitary sewer system, not to storm drains | |
| <input type="checkbox"/> | Runoff from wash, maintenance, storage, and fueling areas are not directed to storm drains | |
| <input type="checkbox"/> | Facility has updated plumbing schematics to accurately reflect discharge locations | |
| <input type="checkbox"/> | All underground storage tanks are maintained with proper safeguards | |
| <input checked="" type="checkbox"/> | Employees trained on proper disposal of all materials used onsite | |

| General Site | | Comments |
|-------------------------------------|--|-----------------|
| <input checked="" type="checkbox"/> | Emergency Response Plan onsite | |
| <input checked="" type="checkbox"/> | Employees trained for emergency procedures | |
| <input checked="" type="checkbox"/> | Material Safety Data sheets maintained in a convenient location for emergency response | |
| <input checked="" type="checkbox"/> | Stockpiles properly maintained to prevent runoff | |
| <input checked="" type="checkbox"/> | Proper litter control (container lids are closed, containers are upright) | |
| <input checked="" type="checkbox"/> | Vegetated areas properly maintained and erosion-free | |
| <input checked="" type="checkbox"/> | Site is routinely inspected for indication of illicit discharges | |

[illegible]



Town of Vinton

Facility # 1 – Vehicle Maintenance Facility/ Fueling Center

Checklist

Public Works Department is responsible for conducting quarterly inspections, at minimum, of its own facilities. Please submit completed forms to:
Anita McMillan, Planning and Zoning Director/Stormwater Program Manager

Date: 10/25/23 Time: 8:35 am Inspector: Kenny Sled

Facility Name and Location: #1 Vehicle Maintenance Facility/Fueling Center, 804 3rd Street, Vinton

Description of Activities: Quarterly

Receiving Waterway: Tinker Creek

Fueling Areas

Comments

| | | |
|-------------------------------------|---|--|
| <input checked="" type="checkbox"/> | Proper use of spill overflow protection | |
| <input checked="" type="checkbox"/> | Roof over fueling area | |
| <input checked="" type="checkbox"/> | Dry cleanup methods used for fuel spills | |
| <input type="checkbox"/> | Tank certified by PBCDERM | |
| <input checked="" type="checkbox"/> | Leak detection system for fuel tanks | |
| <input checked="" type="checkbox"/> | Fueling pad graded for minimum run-on of stormwater | |
| <input checked="" type="checkbox"/> | Fueling pad discharges into a sump pump, not into a storm drain | |

Vehicle and Equipment Maintenance

Comments

| | | |
|-------------------------------------|--|--|
| <input checked="" type="checkbox"/> | Proper storage & disposal of greasy rags, oil/air filters, batteries, spent coolants | |
| <input checked="" type="checkbox"/> | Labeling & tracking for the recycling of hazardous waste materials | |
| <input checked="" type="checkbox"/> | Hazardous materials stored properly without evidence of spills | |
| <input checked="" type="checkbox"/> | Inventory of materials maintained onsite & Material Safety Data sheets | |
| <input checked="" type="checkbox"/> | Wrecked and "part" vehicles drained of all fluids | |
| <input checked="" type="checkbox"/> | Stored liquids and batteries have secondary containment | |
| <input checked="" type="checkbox"/> | Liquid waste disposed of properly and not being poured into storm system/sinks | |
| <input checked="" type="checkbox"/> | Empty drip pans are cleaned and properly stored | |
| <input checked="" type="checkbox"/> | Floor drains discharge into a storage sump with an oil/water separator | |

Outdoor Vehicle and Equipment Storage

Comments

| | | |
|-------------------------------------|---|--|
| <input checked="" type="checkbox"/> | Ground free of visual stains from oil or other vehicle fluids | |
| <input checked="" type="checkbox"/> | Drip pans used during vehicle maintenance | |
| <input checked="" type="checkbox"/> | Drip pans cleaned and properly stored | |
| <input checked="" type="checkbox"/> | Storage are covered and properly maintained | |

| Painting Areas | | Comments |
|-------------------------------------|---|-----------------|
| <input checked="" type="checkbox"/> | Paint and paint thinner stored and properly labeled | |
| <input type="checkbox"/> | Spray paint booths properly operate and have an OSHA-approved hood | |
| <input checked="" type="checkbox"/> | Personal protection devices/clothes cleaned and properly stored | |
| <input checked="" type="checkbox"/> | Proper painting equipment being used and is properly cleaned/stored | |
| <input checked="" type="checkbox"/> | Recycling of used paints, paint thinner, and solvents | |
| <input checked="" type="checkbox"/> | Employees trained on proper painting and cleaning procedures | |

| Vehicle and Equipment Washing Areas | | Comments |
|--|---|-----------------|
| <input type="checkbox"/> | Area designated for cleaning activities | |
| <input type="checkbox"/> | Wash waters are contained & recycled, sumps clean & properly used | |
| <input type="checkbox"/> | Proper grading for wash pad | |
| <input type="checkbox"/> | Parts and equipment washed within designated cleaning area | |
| <input type="checkbox"/> | Employees trained on proper washing procedures | |

| Liquid Storage in Above-Ground Storage | | Comments |
|---|---|-----------------|
| <input checked="" type="checkbox"/> | Installed per design with no leaks (pipes, pumps, valves, hoses, flanges) | |
| <input checked="" type="checkbox"/> | Storage containers maintained in good condition | |
| <input checked="" type="checkbox"/> | Safeguards installed (such as secondary containment) | |
| <input checked="" type="checkbox"/> | System regularly inspected | |
| <input checked="" type="checkbox"/> | Chemicals are stored with compatible chemicals | |
| <input checked="" type="checkbox"/> | Container labels can be easily read; containers are properly labeled | |
| <input checked="" type="checkbox"/> | Employees trained on proper filling and transfer procedures | |

| Improper Connections to Storm Drainage System | | Comments |
|--|--|-----------------|
| <input checked="" type="checkbox"/> | Floor drains connected to sanitary sewer system, not to storm drains | |
| <input type="checkbox"/> | Runoff from wash, maintenance, storage, and fueling areas are not directed to storm drains | |
| <input type="checkbox"/> | Facility has updated plumbing schematics to accurately reflect discharge locations | |
| <input checked="" type="checkbox"/> | All underground storage tanks are maintained with proper safeguards | |
| <input checked="" type="checkbox"/> | Employees trained on proper disposal of all materials used onsite | |

| General Site | | Comments |
|-------------------------------------|--|-----------------|
| <input checked="" type="checkbox"/> | Emergency Response Plan onsite | |
| <input checked="" type="checkbox"/> | Employees trained for emergency procedures | |
| <input checked="" type="checkbox"/> | Material Safety Data sheets maintained in a convenient location for emergency response | |
| <input checked="" type="checkbox"/> | Stockpiles properly maintained to prevent runoff | |
| <input checked="" type="checkbox"/> | Proper litter control (container lids are closed, containers are upright) | |
| <input checked="" type="checkbox"/> | Vegetated areas properly maintained and erosion-free | |
| <input checked="" type="checkbox"/> | Site is routinely inspected for indication of illicit discharges | |

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Town of Vinton

Facility # 1 – Vehicle Maintenance Facility/ Fueling Center

Checklist

Public Works Department is responsible for conducting quarterly inspections, at minimum, of its own facilities. Please submit completed forms to:
Anita McMillan, Planning and Zoning Director/Stormwater Program Manager

Date: 1/31/24 Time: 7:30 AM Inspector: Kenny Sled

Facility Name and Location: #1 Vehicle Maintenance Facility/Fueling Center, 804 3rd Street, Vinton

Description of Activities: Quarterly

Receiving Waterway: Tinker Creek

Fueling Areas

Comments

| | |
|--|--|
| <input checked="" type="checkbox"/> Proper use of spill overflow protection | |
| <input checked="" type="checkbox"/> Roof over fueling area | |
| <input checked="" type="checkbox"/> Dry cleanup methods used for fuel spills | |
| <input type="checkbox"/> Tank certified by PBCDERM | |
| <input checked="" type="checkbox"/> Leak detection system for fuel tanks | |
| <input checked="" type="checkbox"/> Fueling pad graded for minimum run-on of stormwater | |
| <input type="checkbox"/> Fueling pad discharges into a sump pump, not into a storm drain | |

Vehicle and Equipment Maintenance

Comments

| | |
|--|--|
| <input checked="" type="checkbox"/> Proper storage & disposal of greasy rags, oil/air filters, batteries, spent coolants | |
| <input checked="" type="checkbox"/> Labeling & tracking for the recycling of hazardous waste materials | |
| <input checked="" type="checkbox"/> Hazardous materials stored properly without evidence of spills | |
| <input type="checkbox"/> Inventory of materials maintained onsite & Material Safety Data sheets | |
| <input checked="" type="checkbox"/> Wrecked and "part" vehicles drained of all fluids | |
| <input checked="" type="checkbox"/> Stored liquids and batteries have secondary containment | |
| <input checked="" type="checkbox"/> Liquid waste disposed of properly and not being poured into storm system/sinks | |
| <input checked="" type="checkbox"/> Empty drip pans are cleaned and properly stored | |
| <input checked="" type="checkbox"/> Floor drains discharge into a storage sump with an oil/water separator | |

Outdoor Vehicle and Equipment Storage

Comments

| | |
|---|--|
| <input checked="" type="checkbox"/> Ground free of visual stains from oil or other vehicle fluids | |
| <input checked="" type="checkbox"/> Drip pans used during vehicle maintenance | |
| <input checked="" type="checkbox"/> Drip pans cleaned and properly stored | |
| <input checked="" type="checkbox"/> Storage are covered and properly maintained | |

| Painting Areas | | Comments |
|-------------------------------------|---|-----------------|
| <input checked="" type="checkbox"/> | Paint and paint thinner stored and properly labeled | |
| <input type="checkbox"/> | Spray paint booths properly operate and have an OSHA-approved hood | |
| <input checked="" type="checkbox"/> | Personal protection devices/clothes cleaned and properly stored | |
| <input checked="" type="checkbox"/> | Proper painting equipment being used and is properly cleaned/stored | |
| <input checked="" type="checkbox"/> | Recycling of used paints, paint thinner, and solvents | |
| <input checked="" type="checkbox"/> | Employees trained on proper painting and cleaning procedures | |

| Vehicle and Equipment Washing Areas | | Comments |
|--|---|-----------------|
| <input type="checkbox"/> | Area designated for cleaning activities | |
| <input type="checkbox"/> | Wash waters are contained & recycled, sumps clean & properly used | |
| <input type="checkbox"/> | Proper grading for wash pad | |
| <input type="checkbox"/> | Parts and equipment washed within designated cleaning area | |
| <input type="checkbox"/> | Employees trained on proper washing procedures | |

| Liquid Storage in Above-Ground Storage | | Comments |
|---|---|-----------------|
| <input checked="" type="checkbox"/> | Installed per design with no leaks (pipes, pumps, valves, hoses, flanges) | |
| <input checked="" type="checkbox"/> | Storage containers maintained in good condition | |
| <input checked="" type="checkbox"/> | Safeguards installed (such as secondary containment) | |
| <input checked="" type="checkbox"/> | System regularly inspected | |
| <input checked="" type="checkbox"/> | Chemicals are stored with compatible chemicals | |
| <input checked="" type="checkbox"/> | Container labels can be easily read; containers are properly labeled | |
| <input checked="" type="checkbox"/> | Employees trained on proper filling and transfer procedures | |

| Improper Connections to Storm Drainage System | | Comments |
|--|--|-----------------|
| <input checked="" type="checkbox"/> | Floor drains connected to sanitary sewer system, not to storm drains | |
| <input checked="" type="checkbox"/> | Runoff from wash, maintenance, storage, and fueling areas are not directed to storm drains | |
| <input type="checkbox"/> | Facility has updated plumbing schematics to accurately reflect discharge locations | |
| <input checked="" type="checkbox"/> | All underground storage tanks are maintained with proper safeguards | |
| <input checked="" type="checkbox"/> | Employees trained on proper disposal of all materials used onsite | |

| General Site | | Comments |
|-------------------------------------|--|-----------------|
| <input checked="" type="checkbox"/> | Emergency Response Plan onsite | |
| <input checked="" type="checkbox"/> | Employees trained for emergency procedures | |
| <input type="checkbox"/> | Material Safety Data sheets maintained in a convenient location for emergency response | |
| <input checked="" type="checkbox"/> | Stockpiles properly maintained to prevent runoff | |
| <input checked="" type="checkbox"/> | Proper litter control (container lids are closed, containers are upright) | |
| <input checked="" type="checkbox"/> | Vegetated areas properly maintained and erosion-free | |
| <input checked="" type="checkbox"/> | Site is routinely inspected for indication of illicit discharges | |

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Town of Vinton

Facility # 1 – Vehicle Maintenance Facility/ Fueling Center

Checklist

Public Works Department is responsible for conducting quarterly inspections, at minimum, of its own facilities. Please submit completed forms to:
Anita McMillan, Planning and Zoning Director/Stormwater Program Manager

Date: 4/9/24 Time: 7:00 AM Inspector: Kenny Sledd

Facility Name and Location: #1 Vehicle Maintenance Facility/Fueling Center, 804 3rd Street, Vinton

Description of Activities: Quarterly

Receiving Waterway: Tinker Creek

Fueling Areas

Comments

| | |
|---|--|
| <input checked="" type="checkbox"/> Proper use of spill overflow protection | |
| <input checked="" type="checkbox"/> Roof over fueling area | |
| <input checked="" type="checkbox"/> Dry cleanup methods used for fuel spills | |
| <input type="checkbox"/> Tank certified by PBCDERM | |
| <input checked="" type="checkbox"/> Leak detection system for fuel tanks | |
| <input checked="" type="checkbox"/> Fueling pad graded for minimum run-on of stormwater | |
| <input checked="" type="checkbox"/> Fueling pad discharges into a sump pump, not into a storm drain | |

Vehicle and Equipment Maintenance

Comments

| | |
|--|--|
| <input checked="" type="checkbox"/> Proper storage & disposal of greasy rags, oil/air filters, batteries, spent coolants | |
| <input checked="" type="checkbox"/> Labeling & tracking for the recycling of hazardous waste materials | |
| <input checked="" type="checkbox"/> Hazardous materials stored properly without evidence of spills | |
| <input checked="" type="checkbox"/> Inventory of materials maintained onsite & Material Safety Data sheets | |
| <input checked="" type="checkbox"/> Wrecked and "part" vehicles drained of all fluids | |
| <input checked="" type="checkbox"/> Stored liquids and batteries have secondary containment | |
| <input checked="" type="checkbox"/> Liquid waste disposed of properly and not being poured into storm system/sinks | |
| <input checked="" type="checkbox"/> Empty drip pans are cleaned and properly stored | |
| <input checked="" type="checkbox"/> Floor drains discharge into a storage sump with an oil/water separator | |

Outdoor Vehicle and Equipment Storage

Comments

| | |
|---|--|
| <input checked="" type="checkbox"/> Ground free of visual stains from oil or other vehicle fluids | |
| <input checked="" type="checkbox"/> Drip pans used during vehicle maintenance | |
| <input checked="" type="checkbox"/> Drip pans cleaned and properly stored | |
| <input checked="" type="checkbox"/> Storage are covered and properly maintained | |

Painting Areas**Comments**

| | | |
|-------------------------------------|---|--|
| <input checked="" type="checkbox"/> | Paint and paint thinner stored and properly labeled | |
| <input type="checkbox"/> | Spray paint booths properly operate and have an OSHA-approved hood | |
| <input checked="" type="checkbox"/> | Personal protection devices/clothes cleaned and properly stored | |
| <input checked="" type="checkbox"/> | Proper painting equipment being used and is properly cleaned/stored | |
| <input checked="" type="checkbox"/> | Recycling of used paints, paint thinner, and solvents | |
| <input checked="" type="checkbox"/> | Employees trained on proper painting and cleaning procedures | |

Vehicle and Equipment Washing Areas**Comments**

| | | |
|--------------------------|---|--|
| <input type="checkbox"/> | Area designated for cleaning activities | |
| <input type="checkbox"/> | Wash waters are contained & recycled, sumps clean & properly used | |
| <input type="checkbox"/> | Proper grading for wash pad | |
| <input type="checkbox"/> | Parts and equipment washed within designated cleaning area | |
| <input type="checkbox"/> | Employees trained on proper washing procedures | |

Liquid Storage in Above-Ground Storage**Comments**

| | | |
|-------------------------------------|---|--|
| <input checked="" type="checkbox"/> | Installed per design with no leaks (pipes, pumps, valves, hoses, flanges) | |
| <input checked="" type="checkbox"/> | Storage containers maintained in good condition | |
| <input checked="" type="checkbox"/> | Safeguards installed (such as secondary containment) | |
| <input checked="" type="checkbox"/> | System regularly inspected | |
| <input checked="" type="checkbox"/> | Chemicals are stored with compatible chemicals | |
| <input checked="" type="checkbox"/> | Container labels can be easily read; containers are properly labeled | |
| <input checked="" type="checkbox"/> | Employees trained on proper filling and transfer procedures | |

Improper Connections to Storm Drainage System**Comments**

| | | |
|-------------------------------------|--|--|
| <input checked="" type="checkbox"/> | Floor drains connected to sanitary sewer system, not to storm drains | |
| <input type="checkbox"/> | Runoff from wash, maintenance, storage, and fueling areas are not directed to storm drains | |
| <input type="checkbox"/> | Facility has updated plumbing schematics to accurately reflect discharge locations | |
| <input checked="" type="checkbox"/> | All underground storage tanks are maintained with proper safeguards | |
| <input checked="" type="checkbox"/> | Employees trained on proper disposal of all materials used onsite | |

General Site**Comments**

| | | |
|-------------------------------------|--|--|
| <input checked="" type="checkbox"/> | Emergency Response Plan onsite | |
| <input checked="" type="checkbox"/> | Employees trained for emergency procedures | |
| <input checked="" type="checkbox"/> | Material Safety Data sheets maintained in a convenient location for emergency response | |
| <input checked="" type="checkbox"/> | Stockpiles properly maintained to prevent runoff | |
| <input checked="" type="checkbox"/> | Proper litter control (container lids are closed, containers are upright) | |
| <input checked="" type="checkbox"/> | Vegetated areas properly maintained and erosion-free | |
| <input checked="" type="checkbox"/> | Site is routinely inspected for indication of illicit discharges | |

[illegible]