



City of Staunton, Virginia



MS4 ANNUAL REPORT

**For the Virginia Stormwater Management Program General
Permit Registration Statement for Small Municipal Separate
Storm Sewer Systems (MS4)**

General Permit No. VAR040133

**Reporting Period: Permit Cycle 3, Year 2
July 1, 2024 through June 30, 2025**

Certification

CERTIFICATION STATEMENT

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.

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Title: City Manager

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Date: September 30, 2025

Permit Number: VAR040133

MS4 Name: City of Staunton

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<u>Table of Contents</u>	<u>Page</u>
Introduction	6
About Staunton	7
MS4 Program	9
Minimum Control Measure 1 – Public Education and Outreach	9
BMP 1.1 – School Presentations	9
BMP 1.2 – Stormwater Awareness Handouts	11
BMP 1.3– Watershed Awareness	12
BMP 1.4 – Flood Awareness Program	15
BMP 1.5 – Community Events.....	16
BMP 1.6 – GIS Story Maps.....	17
Minimum Control Measure 2 – Public Involvement / Participation	18
BMP 2.1 – Stormwater Webpage	18
BMP 2.2 – Tree Planting Program	19
BMP 2.3 – Adopt-A-Spot Program	20
BMP 2.4 – Stormwater Partnerships	22
BMP 2.5 – Hazardous Waste Collection Day	23
Minimum Control Measure 3 – Illicit Discharge Detection and Elimination	23
BMP 3.1 – IDDE Detection Program	23
BMP 3.2 – Mapping of Stormwater Network	25
Minimum Control Measure 4 – Construction Site Runoff Control	26

BMP 4.1 – Erosion and Sediment Control Program	26
Minimum Control Measure 5 – Post Construction Runoff Control	28
BMP 5.1 – Require VSMP Permits	28
BMP 5.2 – Structural BMP Maintenance	30
BMP 5.3 – Structural BMP Inspection	30
BMP 5.4 – Structural BMP Database	31
BMP 5.5 – BMP Warehouse Submittal Confirmation Statement.....	32
Minimum Control Measure 6 – Pollution Prevention / Good Housekeeping	32
BMP 6.1 – Street Sweeping	32
BMP 6.2 – Pollution Prevention Training	33
BMP 6.3 - SPCC Training	34
BMP 6.4 – Yard Debris Collection Program	34
BMP 6.5 – Dedicated Vehicle Wash Facility	35
BMP 6.6 – Storm Sewer Inspection and Maintenance	35
BMP 6.7 – Develop/Maintain SWPPP for Required City Facilities	36
BMP 6.8 – Develop/Maintain NMP for Required City Sites	38
Chesapeake Bay TMDL	40
Local TMDL Special Condition	41
Responsible Parties	42
Appendices	43
Appendix A Illicit Discharge Detection & Elimination Program Database	43
Appendix B Outfall/Points of Discharge Map	45

Appendix C BMP Database Additions.....46

Appendix D Assessment of the Appropriateness of Identified BMPs 46

Appendix E Waste Awareness Brochure Issue IX 46

INTRODUCTION

Discharges from municipal separate storm sewer systems are regulated under the Virginia Stormwater Management Act, the Virginia Stormwater Management Program (VSMP) Permit regulations and the Clean Water Act as point source discharges. MS4 regulations were developed and implemented in two phases. Implementation of the first phase began in the early 1990s and required that operators of MS4s serving populations of greater than 100,000 people (per the 1990 decennial census) apply for and obtain a permit to discharge stormwater from their outfalls. The second phase of MS4 regulations became effective March 23, 2003, and required that operators of small MS4s in "urbanized areas" (as defined by the latest decennial census) obtain a permit to discharge stormwater from their outfalls.

In August 2013, the City of Staunton received a Notice of Designation as a regulated small MS4. Part of the City's jurisdiction had been identified as being located within an urbanized area according to the 2010 Decennial Census. As a result, the City must apply for and maintain coverage under the General Permit for the Discharges of Stormwater from Small Municipal Separate Storm Sewer Systems. Similar to the Phase I programs, small MS4 programs must be designed and implemented to control the discharge of pollutants from their storm sewer system to the maximum extent practicable in a manner that protects the water quality in nearby streams, rivers, wetlands and bays.

On May 16, 2018, the City of Staunton submitted a Registration Statement outlining the City's MS4 Program to the Department of Environmental Quality (DEQ). On November 1, 2018, the City received notification from DEQ that the City had obtained continuing coverage under the General VPDES Permit for Small MS4s. Coverage under the Virginia General Permit for Discharges from Small Municipal Storm Sewer Systems requires each MS4 locality to submit an annual report by October 1 of each year describing the status of the Program's implementation for the previous permit year, July 1 through June 30.

Costs for the MS4 program are offset by Staunton's stormwater utility fee. Staunton uses an 18-tier system based on square footage of impervious area per parcel. The current fee scales with the average impervious area per tier where the equivalent residential unit (ERU) is 2,600 square feet. Property owners can receive up to 2 tier reductions worth of annual credits for constructing, operating, and maintaining stormwater quantity and quality BMPs. The utility fee structure will be reevaluated periodically in conjunction with the MS4 permit renewal.

Stormwater discharges from Phase II (small) MS4s are regulated under the General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems. Small MS4s include storm sewer systems operated by cities, counties, towns, federal facilities such as military bases, Veteran's Affairs hospitals and research facilities, Department of Defense facilities and parkways, and state facilities such as VDOT, community colleges and public universities.

Under the General Permit, small MS4s must develop, implement and enforce a program that includes the following “six minimum control measures”:

- Public education and outreach on stormwater impacts
- Public involvement and participation
- Illicit discharge detection and elimination
- Construction site stormwater runoff control
- Post-construction stormwater management in new development and redevelopment
- Pollution prevention/good housekeeping for municipal operations

ABOUT STAUNTON

Located in the historic Shenandoah Valley, Staunton was first settled in 1732. The hamlet was named in honor of Lady Staunton, wife of Sir William Gooch who served as lieutenant-governor of Virginia from 1727 to 1749. The Virginia General Assembly established Staunton as a town in 1761.

Staunton, unique among cities for its natural beauty and architectural heritage, provides an excellent quality of life for its unified community by continuing the tradition of citizen leadership, innovation, and perseverance. The best of its history combined with the best new ideas and technology make Staunton an exceptional small city with charm, energy, ambiance, and creativity that others seek to emulate.

Today, Staunton is an independent city with a population of 25,190 as of 2020 census, located within Augusta County. Staunton is approximately 19.7 square miles in size. The urbanized area within the City of Staunton is 13.2 square miles as identified in Figure 1. This urbanized area represents a portion of the Staunton-Waynesboro Metropolitan Statistical Area, as defined by the Office of Management and Budget, which had a population of 125,148 as of the 2020 census.

The City of Staunton lies within four (4) major watersheds. The hydrologic unit codes (HUC) are the following:

<u>Name</u>	<u>HUC 12</u>	<u>VAHU6</u>
➤ Lewis Creek	020700050301	PS06
➤ Christians Creek/Barterbrook Branch	020700050202	PS09
➤ Middle River/Falling Spring Run	020700050302	PS07
➤ Middle River/Bell Creek	020700050104	PS04

Staunton, VA Urbanized Area

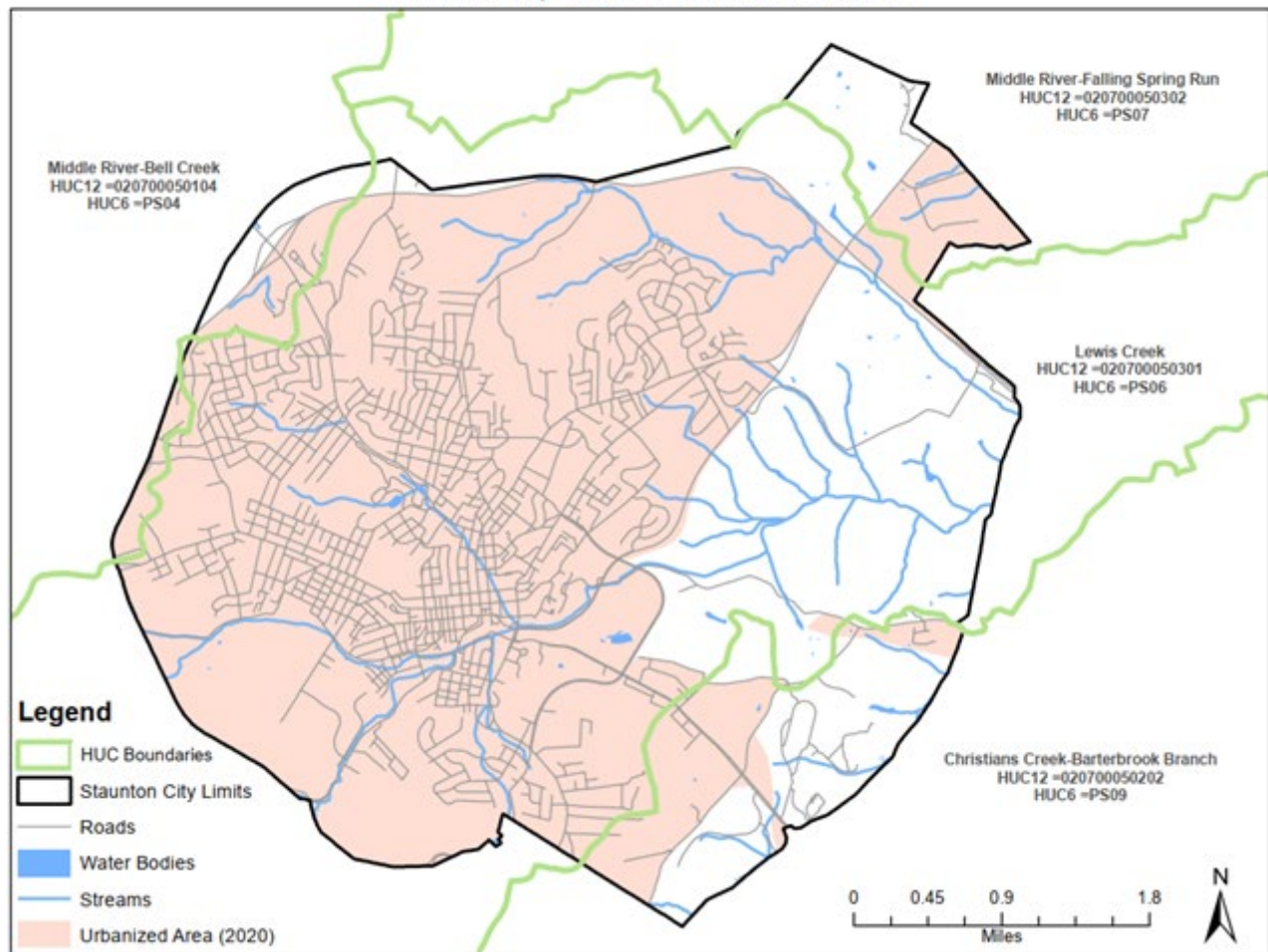


Figure 1

MS4 PROGRAM

Minimum Control Measure 1 – Public Education and Outreach

The public education and outreach (PE&O) BMPs are a critical component of City's MS4 program. The PE&O program helps the citizens of the community to better understand the environmental challenges that they are facing as a community. This new knowledge will encourage the community as a whole to implement changes in their lifestyles that will reduce the negative impacts their daily choices have on the environment. Additionally, this program empowers the citizens to become part of the stormwater runoff solution by having a better understanding of program goals and providing a variety of ways to communicate observed issues to the program administrator.

The PE&O BMP focuses on the following high priority areas:

- Waste/Pollution Management was selected due to the immediate impact to the community. The City of Staunton spends significant resources every year to clean streets, maintain BMP's, and to facilitate better water quality for the community.
- Watershed Awareness was selected to bring attention to the importance of caring for and maintaining the quality of the City's watersheds and how the City's watersheds being located at the headwaters affects downstream watersheds and ultimately the Chesapeake Bay itself.
- Chesapeake Bay and local waterway nutrient impacts was chosen to increase citizen understanding and support for the City's nutrient reduction efforts. The City is required to dedicate significant resources on the reduction of nutrients to address TMDL's. Resource allocation is restricted without significant community support.

Modifications to MCM 1: None this permit year.

BMP – 1.1 School Presentations (Category - Speaking Engagements)

The City continues to develop targeted presentations to give to city schools and college students. The presentations are age appropriate with the goal of building on past presentations in future years. Presentations include interactive tools to help better understand the effects of water pollution and strategies for prevention as they relate to the City's high priority topics. In addition to presentations, the City has engaged with local colleges to set up stormwater related activities that may receive course credit. The City hopes to continue this effort to connect students to local stormwater issues through practical, hands-on engagement relative to stormwater management and flood awareness.

Objective and Expected Results: By targeting grades 4 through 12 and college students, the City provides children and young adults with the necessary information to foster stormwater awareness that translate into long lasting positive changes toward stormwater management.

Implementation Schedule: The City continues to provides the presentations throughout the permit cycle. The city targets 4 to 6 presentations per year. The Environmental Programs Division is responsible for developing and offering the presentations. The Environmental Programs Division intent is to engage with local colleges to develop activities eligible for course credit.

Method to Determine Effectiveness: The measure for this BMP is based on the total number of presentations per year and the total number of students involved. The annual report includes these numbers.

Presentations Permit Year 2 – July 1, 2024- June 30, 2025

Program	MCM	Presentation	Audience	Date	# of Students
School Presentations	1.1	Stormwater, Watersheds, and Enviroscope for Shelburne 2024	Shelburne Middle School (City School) - 6th grade Science 12 Different Classes Ms. Evans	11/8/2024	180
JMU Students presentation	1.1	GHP Stream Restoration	JMU Architecture Class Traci Wiles	7/9/2024	10
World of Works	1.1	Stormwater, Enviroscope, Watersheds	Career Fair for all 7 th grade students in Staunton, Waynesboro, Augusta County, Rockingham County	10/30/2025	Talked to 50+
JMU Students presentation	1.1	Wharf Daylighting, Stormwater	JMU Architecture Class Traci Wiles	2//28/2025	25

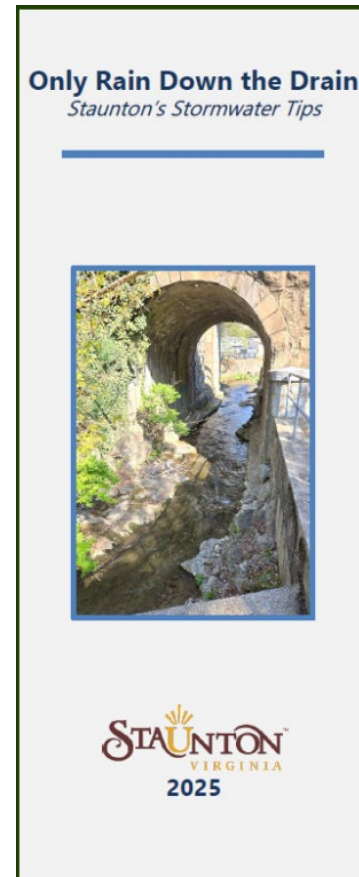
BMP – 1.2 Stormwater Awareness Handouts (Category - Written Materials)

The City has developed educational brochures and other handouts to provide information in an easy-to-read format. The brochures concentrate on the high priority topics. In keeping the topics open to all high priority areas, the City has the flexibility to modify the Program from one topic to another as priorities change from one year to the next. Each brochure includes information about the topic, identifies the desirable changes in behavior and provides contact information for questions and reporting. The educational brochures are made available through mass mailings and at various City offices and community events. Other handouts could include bumper stickers, t-shirts, or other promotional style materials.

Objective and Expected Results: By distributing written educational materials to the citizens, this program's objective is to raise the general awareness of stormwater issues and provide actions the public can take to help protect water quality and minimize impacts to stormwater runoff.

Implementation Schedule: Waste brochures continue to be developed and distributed throughout the permit cycle. Distribution of the brochures began during the 3rd year of the permit. Environmental Programs Division is responsible for the content and distribution of the handouts.

Method to Determine Effectiveness: The effectiveness of this BMP is based on the total number of materials distributed. The annual report includes the type and number of handouts.



Stormwater Awareness Brochures

Permit Year 2	Number of Brochures Distributed
July 1, 2024 - June 30, 2025	12,000

See [Appendix E](#) for the full brochure.

Stormwater Awareness Merchandise

Permit Year 2	Number of Items Distributed
July 1, 2024 - June 30, 2025	70

BMP – 1.3 Watershed Awareness (Category - Electronic Media)

The City continues to develop social media material to provide information in an easy to share format. The material focuses on the topic of “Watershed Awareness”. This topic was chosen to highlight the importance of effective stormwater management locally and the impact Staunton’s watersheds, which are located near the headwaters of the Chesapeake Bay, have on the water quality of downstream watersheds and ultimately the Chesapeake Bay. The City incorporates multiple types of social media outlets, i.e., Facebook, YouTube, etc. to allow flexibility as priorities change and opportunities arise from one year to the next. Each post will include resources and information on general stormwater education, Staunton’s watersheds, Staunton’s MS4 program, the SW Utility Fee program, or any related SWM construction projects. The intent is to help inform the public about the effects these environmental programs have on the local waterways and identify desirable changes in behavior to help improve water quality in the community. Post also provide contact information for questions and reporting. Information is made available through social media posts via a public, City-run social media format.

Web link to the City’s Facebook page: <https://www.facebook.com/stauntonstormwater>

Objective and Expected Results: By using social media to reach citizens, the City hopes to raise the general awareness of stormwater management within the community and at the state level. This information also provides actions the public can take to help protect water quality and minimize the impacts to stormwater runoff.

Implementation Schedule: The Watershed Awareness social media material will continue be developed and posted throughout the permit cycle. The Environmental Programs Division is responsible for the social media material and its distribution.

Method to Determine Effectiveness: The effectiveness of this BMP is based on the total number of website hits. The annual report includes this number.

Watershed Awareness Social Media

Permit Year 2	Number Hits/Likes/Reaches
July 1, 2024 - June 30, 2025	14,514

Breakdown	Amount
FB Reaches	13,878
Total FB likes	636
Total FB page visits	1,873

Page Followers	Amount
New	112
Total	891

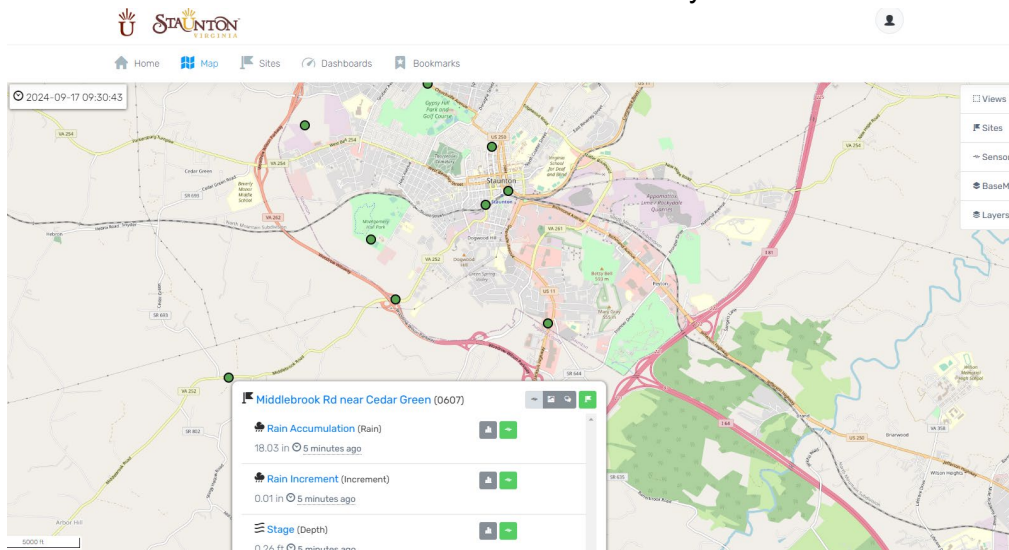
Watershed Awareness Local News Stories

Story Title	Date Published	Website Link	Screenshot
"Gypsy Hill Park Stream Restoration Project on track to be completed in 2025"	7/1/2024	https://www.whsv.com/2024/07/02/gypsy-hill-park-stream-restoration-project-track-be-completed-2025/	
"Gypsy Hill Park stream restoration project on track for March 2025 completion despite delays"	10/23/2024	https://www.whsv.com/video/2024/10/23/gypsy-hill-park-stream-restoration-project-track-march-2025-completion-despite-delays/	
"Staunton: City wins award for work on Gypsy Hill Park stream project"	11/10/2024	https://augustafreepress.com/news/staunton-city-wins-award-for-work-on-gypsy-hill-park-stream-project/	
"Gypsy Hill Park Stream Restoration Project to be completed by end of March"	2/25/2025	https://www.whsv.com/2025/02/25/gypsy-hill-park-stream-restoration-project-be-completed-by-end-march/	
"Cole Avenue Stream Channel Restoration project nears completion"	3/05/2025	https://www.whsv.com/2025/03/05/cole-avenue-stream-channel-restoration-project-nears-completion/	

“Staunton recognizes Virginia Flood Awareness Week”	3/10/2025	https://www.whsv.com/2025/03/10/staunton-recognizes-virginia-flood-awareness-week/	Staunton recognizes Virginia Flood Awareness Week 
“Gypsy Hill Park Stream Restoration Project facing delays expected to be completed late May”	4/19/2025	https://www.whsv.com/2025/04/19/gypsy-hill-park-stream-restoration-project-facing-delays-expected-be-completed-late-may/	Gypsy Hill Park Stream Restoration Project facing delays, expected to be completed as late as May 
“Staunton City first ever flood resiliency plan to provide ‘holistic look’ at response”	5/12/2025	https://augustafreepress.com/news/staunton-citys-first-ever-flood-resiliency-plan-to-provide-holistic-look-at-response/	Staunton: City's first-ever flood resiliency plan to provide ‘holistic look’ at response Rebecca Barnali Published date: May 12, 2025 10:10 pm Updated: May 13, 2025 11:50 am The City of Staunton is working to draft its first-ever flood resiliency plan with the assistance of Wylie Wilson, engineers who identified structural concerns under the Wharf Lot. According to Staunton Environmental Programs Administrator Willow Hughes, city staff are working “to provide a sort of holistic look at the flood issues a community faces” and to determine a flood response. Wylie Wilson will help identify flood-prone areas within the city's limits. 
“Staunton launches Adopt-a-Spot program...”	5/29/2025	https://www.newsleader.com/story/news/local/2025/05/29/stauntons-adopt-a-spot-program-aimed-at-keeping-streets-streams-clean/83880034007/	Staunton launches Adopt-a-Spot program to keep streets, streams clean Patrick Hite Staunton News Leader Updated May 29, 2025, 8:38 a.m. ET Key Points AI-assisted summary - Staunton's new Adopt-a-Spot program merges the Adopt-a-Street and Adopt-a-Stream programs to encourage community beautification. - Participants adopt a spot for at least two years and clean it four times annually, disposing of collected trash themselves. - The city will provide two signs with the group's name, and participants must submit a detailed cleanup report within two weeks of each event.
“Staunton launches new ‘Adopt-a-Spot’ program to help keep the city clean”	6/5/2025	https://www.whsv.com/2025/06/05/staunton-launches-new-adopt-a-spot-program-help-keep-city-clean/	Staunton launches new ‘Adopt-a-Spot’ program to help keep the city clean 

BMP – 1.4 Flood Awareness Program

After the historic flooding in August of 2020, the City procured a flood study of the city's watershed and existing stormwater conveyance systems to determine potential flood mediation measures. The most impactful and cost-effective measure recommended was the implementation of a flood warning/awareness system. The system includes five in-stream depth sensors and six rain gauge sensors that have been installed throughout the Lewis Creek watershed. These sensors connect to a public dashboard that displays near real time stream depth and rain gauge data. Citizens can view this dashboard at any time and can sign up to receive alerts via text message or email when conditions are indicative of potential flooding conditions within the flood prone/floodplain areas of the city. The dashboard is integrated into the National Weather Service and WHSV-TV3 weather alert systems.



The dashboard can be viewed at: <https://stauntonva.onerain.com/>

Implementation Schedule: The Flood Awareness Program will continue to be operated throughout the permit cycle. The Environmental Programs Division, Public Works and IT departments are responsible for the maintenance of the system.

Method to Determine Effectiveness: The effectiveness of this BMP is based on the total number of alert subscribers.

Flood Awareness Program – Flood Awareness System

Permit Year 2	Number of Alert Subscribers
July 1, 2024 - June 30, 2025	328
New subscribers in FY25	134

BMP – 1.5 Community Events (Category – Public Education Activities)

Objective and Expected Results: The Environmental Programs Division will attend at least one community event per year to engage with the public through activities and presentations and handout information and promotional materials. At previous community events, the Division has presented an interactive Enviroscope display to demonstrate watershed mechanics and pollution prevention, but the specific display can be tailored to the prospective audience. Participation in these events raises the awareness of the stormwater runoff and pollution issues concerning watersheds, both locally and at the state level.

Implementation Schedule: The Environmental Programs Division currently attends the yearly Earth Day celebration but plans to attend other events as available. Environmental Programs Division will be responsible for scheduling and planning their attendance at the event(s).

Method to Determine Effectiveness: The measure for this BMP will be based on the total number of events attended per year and estimated size of the event. The annual report includes these numbers.

Community Events - July 1, 2024 - June 30, 2025

Date	Description
11/7/2024	Presentation on GHP Stream Restoration to Garden Club of Virginia
11/19/2024	Presentation on GHP Stream Restoration to Central Shenandoah EMS Council
3/2/2025	Presentation on GHP Stream Restoration to Newtown Neighborhood Association
4/26/2025	Earth Day



*Environmental Program Administrator, Willow Hughes and
Environmental Programs Specialist, Hunter Moore engage with citizens on Earth Day.*

BMP – 1.6 GIS Story Board Maps (Category – Media Materials)

Objective and Expected Results: The Environmental Programs Division has created GIS Story Board Maps to inform the public about stormwater related projects constructed by the City and also general watershed information. The story board maps focus on current and recently completed projects and feature before and after photos, project plans and location, and purposes for the project. The story board maps allow the public to see the application of best management practices to help control stormwater runoff and pollution reduction in a highly visual but still detailed narrative.

Implementation Schedule: The Environmental Programs Division currently has two GIS Story Board Maps on their website at <https://www.ci.staunton.va.us/departments/community-development/environmental-programs-division/gypsy-hill-stream-restoration> and <https://www.ci.staunton.va.us/departments/community-development/environmental-programs-division/cole-avenue-stream-channel-restoration>. The division intends to produce one Story Board Map per year (as projects and topics allow).

Method to Determine Effectiveness: The measure for this BMP will be based on the number of views per story map per year. The annual report will include these numbers.



Link to story map: <https://arcg.is/1Xjrr8>



Link to story map: <https://arcg.is/0WfP1m0>

GIS Story Maps

Permit Year 2	Number of Story Maps	Number of views
July 1, 2024 - June 30, 2025	1 – Gypsy Hill Park Stream Restoration	1,152
July 1, 2024 - June 30, 2025	2- Cole Avenue Stream Restoration	169

Minimum Control Measure 2 – Public Involvement / Participation

The public involvement/participation (POP) BMP promotes valuable input and assistance from the community. It providing the public opportunities to play an active role in the program is instrumental in a successful program. By promoting the availability of the program to the community, public participation will increase leading to a reduction in stormwater pollutants and improved water quality.

The first Lewis Creek Technical Advisory Committee meeting (PCB study) on January 25, 2020 had 15 attendees, including representatives of various local and state agencies and concerned citizens. The second Lewis Creek Technical Advisory Committee meeting (Lewis Creek PCB Total Maximum Daily Load (TMDL) study) on August 18, 2021 had 14 attendees, including representatives of various local and state agencies and concerned citizens. Meeting summaries are available upon request. As of this year, the city is still waiting on the site remediation plan from CSX/DEQ for review. Plans have not yet been approved by DEQ.

No public comments on Staunton's MS4 program were received in permit year. A stormwater hotline email (stauntonstormwater@ci.staunton.va.us) and phone number (540-213-6517) are listed on the website for the public to submit comments.

All stormwater pollution complaints from the public have been documented in the IDDE database, which has been included in this document as [Appendix A](#).

Modifications to MCM 2: BMP – 2.3 DEQ/DCR Adopt-A-Spot Program and BMP – 2.4 Adopt-A-Street Program were combined into one program to make administration easier. They will now be replaced with BMP – 2.3 Adopt-a-Spot Program. In response to these changes, the number for the following sections will be updated. BMP – 2.5 Stormwater Partnerships (Monitoring) will become BMP – 2.4 Stormwater Partnerships (Monitoring) and BMP – 2.6 Hazardous Waste Collection Day (Disposal/Collection Event) will become BMP – 2.5 Hazardous Waste Collection Day (Disposal/Collection Event).

BMP – 2.1 Stormwater Webpage

The City has a dedicated stormwater webpage which provides detailed stormwater information to the public. The stormwater webpage is found on the City website at the address below. Information available on the webpage includes: definitions of common stormwater elements (i.e. stormwater, watershed, Chesapeake Bay, pollution prevention, etc.), details about why stormwater is important, identification of how citizens can help, links to the City's stormwater program elements (Ordinances, erosion & sediment control, policies, design standards, general permit, annual reports, etc.), links to Federal and State stormwater program information and contact information for reporting and questions.

Web link to the City's Stormwater Webpage: [Environmental Programs Division | City of Staunton](#)

Objective and Expected Results: The objective of the dedicated website is to provide large amounts of detailed federal, state and local program information, accessible to a large number of citizens. The result is to easily be able to search for and find detailed information on stormwater in general as well as information pertaining to the City of Staunton's MS4 Program. The website also provides citizens with information on how to comment on the City's MS4 program plan, and report erosion/sediment control issues, illicit discharges, and stormwater related complaints.

Implementation Schedule: The City has implemented the website and will maintain the website by adding the annual reports and updating the site's content and links. The Environmental Programs Division will be responsible for the page's content and will advise the webmaster of all required changes.

Method to Determine Effectiveness: The effectiveness of this BMP is based on the total number of website hits that occur each year. The annual report will include this number.

Stormwater Webpage	
Permit Year 2	Number of Website Hits
July 1, 2024 - June 30, 2025	3,764
Increase from last year	1,008

BMP – 2.2 Tree Planting & Restoration Program

The City currently has a Tree Planting Program where new trees are planted and dead or diseased trees are replaced with new plantings and structural pruning is performed on young existing trees. The City also helps organize and participates in an Arbor Day/Earth Day event where seedlings are handed out to participants. The City will continue its tree planting program and its participation in the Arbor Day/Earth Day event. The City will hand out seedlings and educational brochures and discuss the benefits of tree planting on water quality.

Objective and Expected Results: Encourage the community to actively take part in stormwater enhancements. Raise the general awareness of stormwater issues as well as discussing actions, such as tree planting, the public can take to help protect water quality and minimize impacts to stormwater runoff.

Implementation Schedule: The City will continue its Tree Planting Program and participating in the Arbor Day/Earth Day event. Parks and Recreation will continue to be responsible for these programs

Method to Determine Effectiveness: The effectiveness of this BMP is based on the total number of trees planted, the number of trees pruned, the number of participants and the

number of seedlings handed out at the Arbor Day/Earth Day event. The annual report will include these numbers.

Permit Year 2	Total Number of trees planted	Total Number of trees pruned	Total Number of Arbor Day participants
July 1, 2024 - June 30, 2025	31	145	0*

*Unable to hold Arbor Day Event due to workload and scheduling issues

BMP – 2.3 Adopt-A-Spot Program

In May 2025, the City of Staunton created a new Adopt-a-Spot program intended to encourage citizen participation in beautification and litter cleanup of designated areas in their community. Adoptable areas may include public streets, parks, walkways, and parking lots as well as streams and other potentially private areas upon approval. Groups participating in this program agree to adopt their “spot” for 2 years and to keep it cleared of litter and other debris by hosting at least 4 clean-ups a year. In exchange, the program participants are given materials to help them with their clean-ups and signs bearing the name of their organization for each end of their adopted area. The materials provided by the City include safety information, trash bags, safety vests, trash grabbers, and traffic control-warning signs.

This program was created by combining the Adopt-a-Stream and an Adopt-a-Street programs, which were older City programs that were no longer receiving a lot of attention. City staff hope the Adopt-a-Spot program will be a cleaner, unified initiative that is easier for citizens to participate in and for staff to manage. The Environmental Programs division is responsible for this new program. More information can be found here:

<https://www.ci.staunton.va.us/departments/community-development/environmental-programs-division/adopt-a-spot-program>.



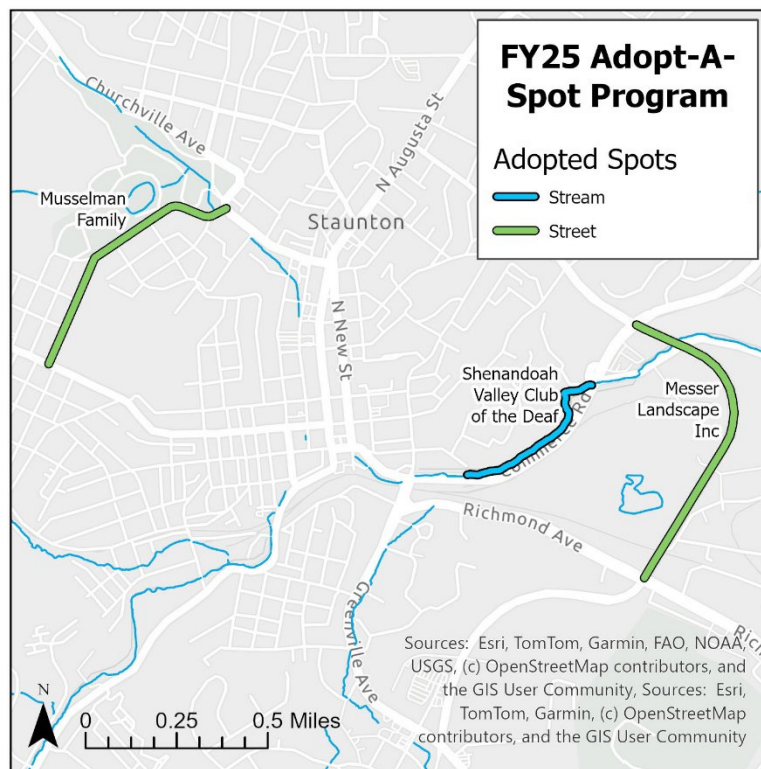
Objective and Expected Results: Encourage the community to actively take part in stormwater enhancements by decreasing the trash and litter that could possibly reach a waterway.

Implementation Schedule: The City will start fully implementing the Adopt-A-Spot program in 2025. The Environmental Programs Division is responsible for the website’s content and for coordinating the provision of available materials to volunteers.

Method to Determine Effectiveness: The effectiveness of this BMP is based on the total number of “spots” adopted and the number clean ups held each year.

Annual Reporting: By June 30, 2025, three groups had signed up for the Adopt-a-Spot and four other organizations expressed interest in signing up. Most of the groups have not yet had the chance to participate in a clean-up, but have expressed plans to do so in the next reporting year.

Adopter	Type	Linear feet adopted	# of Clean-Ups	# of Bags Collected
Shenandoah Valley Club of the Deaf	Stream	2,569	4	~8
Musselman Family	Street	3,865	-	-
Messer Landscape Inc	Street	4,789	-	-
Total:		11,223	4	8



BMP – 2.4 Stormwater Partnerships (Monitoring)

The City has established a partnership with the local environmental advocacy group, the **Lewis Creek Watershed Advisory Committee (LCWAC)**. The partnership will ensure that local impaired waters and pollutants of concern are emphasized in education and outreach efforts.

The City also plans to start attend meetings of the Regional Stormwater Network hosted by the Central Shenandoah Planning District Commission (CSPDC). These meetings are for collaboration between local MS4 programs to learn about policy updates, other locality stormwater projects, and CSPDC WIP updates. These meetings are held quarterly.

Objective and Expected Results: To ensure the education, outreach efforts, and volunteer opportunities are enhanced to the maximum extent possible by a coordinated effort.

Implementation Schedule: The Environmental Programs Division will continue to send a representative to committee meetings during the upcoming permit cycle.

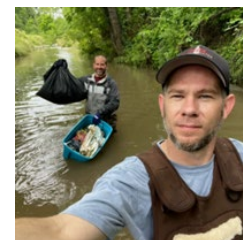
Method to Determine Effectiveness: The effectiveness of this BMP is based on the total number of meetings that were attended. The annual report will include this number.

Stormwater Partnerships

Permit Year 2	Organization	Total Number of Meetings Attended
July 1, 2024 - June 30, 2025	LCWAC	10
July 1, 2024 - June 30, 2025	Regional Stormwater Network	1

The Lewis Creek Watershed Advisory Committee is an active participant in the community. In partnership with the City of Staunton, they assist with many programs and events.

- This Permit Year, the LCWAC continued to help implement the Trout Unlimited - “Trout in the Classroom” program into Staunton City Public Schools. This program teaches students about the life cycle of trout and the importance of and connection between watersheds and water quality. Three schools current raise and release trout each school year:
 - Bessie Weller Elementary – 5th grade
 - Ware Elementary – 5th grade
 - Shelburne Middle School – 6th grade
- The City and the LCWAC also participated in the **Chesapeake Bay Foundation’s Clean the Bay Day** on June 7, 2025. **50 volunteers** helped to clean up **350 lbs** of trash from 2 miles of local streams. Plastic fragments were the most common collected trash, and an office chair was the weirdest item found.



BMP – 2.5 Hazardous Waste Collection Day (Disposal/Collection Event)

The City will continue to participate in the regional household hazardous waste collection day. The event is held once a year in the fall. The following types of waste are accepted; solvents, oil-based paints, fuels, used oil, computer equipment, lead-acid batteries, rechargeable batteries, herbicides/pesticides, small electronics, antifreeze, compact fluorescent bulbs, and fluorescent bulbs. Information about the event will be made available on the stormwater website. The City will also continue to promote this BMP by sharing informational flyers prior to the event.

Objective and Expected Results: By actively promoting the hazardous waste collection day, the City will reduce the risk of improper storage, disposal and discharges within the MS4.

Implementation Schedule: The program is ongoing. Public Works will continue to be responsible for coordinating the informational flyer.

Method to Determine Effectiveness: The City will track the total number of City vehicles dropping off hazardous waste. The annual report will include this number.

Hazardous Waste Collection Day

Permit Year 2	Total Number of City Vehicles
July 1, 2024 - June 30, 2025	53

Minimum Control Measure 3 – Illicit Discharge Detection and Elimination

For the purposes of this permit, an illicit discharge is defined as any discharge to a municipal separate storm sewer system that is not composed entirely of storm water, with exceptions for those discharges which occur pursuant to any other VSMP permit. These discharges can have immediate and long-lasting impacts to the ecosystem of your local water bodies.

Modifications to MCM 3: None this permit year.

BMP – 3.1 IDDE Detection Program

The City will update and maintain the IDDE Program to detect, identify and address unauthorized discharges. The program will use maintained and updated storm sewer mapping

with all outfalls identified. The mapping system is used to screen for illicit discharges. The dry weather screening element of the program includes:

- Prioritized screening schedule
- Perform a minimum 50 field screenings per year
- Methodologies to collect general information such as the date of last rain, quantity of rain, visual observations, etc.
- Defines the time frame to conduct investigations based on priorities
- Methodologies to determine the source of all illicit discharges
- Mechanisms to eliminate illicit discharges, including procedures for legal action
- Methods for follow up
- Mechanisms to track all investigations

The City strives to prohibit non-stormwater discharges into the storm sewer system through modifications to the ordinance. The stormwater webpage and stormwater hotline will be used to promote and facilitate public reporting of illicit discharges. A copy of the program has been included in [Appendix A](#).

Objective and Expected Results: The goal of this control measure is to maintain, update, and enforce a program to detect, identify and address illicit discharges into City's regulated MS4 system.

Implementation Schedule: The City will maintain and implement the IDDE program throughout the permit cycle. Environmental Programs Division is responsible for implementing the program with support from Public Works for investigations. The Environmental Programs Division is responsible for ongoing maintenance of the storm sewer mapping.

The illicit discharge ordinance, City of Staunton City Code, Title 13, Division IV, Illicit Discharge and Connections, can be found at: <http://www.codepublishing.com/VA/staunton.html> Physical interconnection letters were sent to VDOT and Augusta County during Permit Cycle 1, Year 2.

Method to Determine Effectiveness: The City tracks the number of illicit discharges detected and enforcement actions. The annual report includes these numbers.

Modifications to MCM 3: None this permit year.

No active illicit discharges were observed or required follow-up. Further documentation of the outfall screenings and reports of illicit discharges are available upon request. A summary of all illicit discharge reports and investigations has been included in [Appendix A](#).

51 MS4 regulated outfalls were screened in Permit year 2 – no illicit discharges detected.

Outfalls Referred for Maintenance

Responsible Department	Total Number of Outfalls Referred
Public Works	13
Parks and Rec	0
Owners of private BMPs	0

Mapping and Information Tables Confirmation Statement: Mapping updates continued during Permit Year 2 to add/delete regulated outfalls as necessary, and currently there are 353 regulated outfalls. An outfall point of discharge map has been included in [Appendix B](#). Further documentation of the outfalls and points of discharge is available upon request.



Photo of outfall taken during IDDE inspections.

BMP – 3.2 Mapping of Stormwater Network

The City will continue to maintain an accurate storm sewer system mapping and information table for City owned stormwater facilities using GIS and GPS locating technologies. Information to be collected and maintained includes:

- Outfalls
- Natural Streams
- Structural stormwater BMPs type and location
- Storm sewer type and size
- The storm sewer map will include at least the following:
- Location of all MS4 outfalls
- A unique identifier for each outfall
- The name and location of all waters receiving discharges from MS4 outfalls and the associated HUC (6th order)

The associated information table for each outfall will include at least the following:

- A unique identifier
- The estimated MS4 acreage served
- The name of the receiving water and indication if the receiving water is impaired
- The name of any applicable TMDL(s)

Objective and Expected Results: The storm sewer mapping is a critical element of the IDDE (BMP 3.1) and structural BMP maintenance (BMP 5.2) programs. Accurate and up-to-date mapping is necessary for these programs to succeed.

Implementation Schedule: The City continues to maintain the storm sewer mapping throughout the duration of the permit cycle. Environmental Programs Division is responsible for developing and maintaining the sewer mapping using GIS/CAD.

Method to Determine Effectiveness: The City tracks the number of storm structures mapped. The annual report will include these numbers.

Mapping of Stormwater Network

Permit Year 2	Total number of storm sewer structures	Total number of storm sewer outfalls
July 1, 2024 - June 30, 2025	2,635	749

Minimum Control Measure 4 – Construction Site Runoff Control

Uncontrolled stormwater runoff from construction sites can significantly impact rivers, lakes and estuaries. Sediment is the main pollutant of concern leaving a construction site. However, there are also other pollutants that commonly discharge from construction sites, including fertilizer, pesticides, oil and grease, concrete truck washout and construction debris. The construction site stormwater runoff control (CSSRC) BMP has been developed to significantly reduce or eliminate construction site pollutants from entering the local water bodies.

Modifications to MCM 4: None this permit year

BMP – 4.1 Erosion and Sediment Control Program (VESCP)

The City administers an existing program that applies to large sites as well as single family home construction. The Environmental Programs Division reviews site plans and performs site inspections. Any commercial site and any disturbance over 10,000 square feet requires a erosion and sediment control plan to be submitted and approved. The City issues a land-

disturbance permit prior to any land-disturbance taking place. A pre-construction meeting is held to discuss VESCP controls and to review the plan. A City VESCP inspector also makes site visits and approves the initial controls installed. The program is enforceable through the City Code (Chapter 13). **The City employs one DEQ certified VESCP/VSMP Combined Administrator and one Environmental Programs Specialist who is a DEQ certified VESCP/VSMP Inspector and Plan Reviewer.**

The legal authorities utilized by the City to ensure compliance with our VESCP and VSMP Programs include the following:

- Staunton City Code - Title 13
- City's Subdivision and Zoning Ordinance
- Virginia Erosion and Sediment Control Law and Regulations
- Virginia Stormwater Management Act and Regulations

Additional information concerning the City's Erosion and Sediment Control Program (VESCP) can be found at: https://www.ci.staunton.va.us/departments/Environmental_Programs_Division-division/erosion-and-sediment-control-program

Written procedures and policies for plan review, inspection and enforcement can be found at: <http://www.codepublishing.com/VA/staunton.html> and <https://www.ci.staunton.va.us/government/permits>

Objective and Expected Results: The City's VESCP is in place to prevent adverse impacts from erosion and sedimentation from all construction sites.

Implementation Schedule: The VESCP is an existing program and will continue to be implemented throughout the permit cycle. Environmental Programs Division will continue to be responsible for the VESCP.

Method to Determine Effectiveness: A number of parameters is tracked pertaining to the VESCP including; number of land disturbing activities, acres of land disturbed, number of inspections, and enforcement actions. The annual report includes these values.

Erosion and Sediment Control Program (VESCP)

Permit Year 2	Actions	Total	Commercial sites	Single-family sites
July 1, 2024 - June 30, 2025	Total number of regulated land-disturbing activities	58	13	48
	Total number of acres disturbed	80.6	72.19	8.46
	Total number of inspections conducted	1,026	257	769
Permit Year 2	Enforcements	Total	Notice to Comply	Stop Work Orders
July 1, 2023 – June 30, 2024	Total number of enforcement actions taken	137	132	5

Minimum Control Measure 5 – Post Construction Runoff Control

Post-construction stormwater impacts are increases in the type and quantity of pollutants entering the receiving streams. An increase in the quantity of runoff can cause stream bank scouring and downstream flooding. Implementing a combination of structural and non-structural BMPs reduces the water quality effects of increased impervious areas and are crucial elements of MS4 programs. Procedures have been developed and implemented to inspect and maintain all permanent structural BMPs for both City and privately maintained facilities.

Modifications to MCM 5: None this permit year.

BMP – 5.1 Virginia Stormwater Management Program – Require VSMP Permits

The City became a VSMP Authority on July 1, 2014, responsible for administration of our local VSMP Program in accordance with Commonwealth of Virginia regulations. The City requires a VSMP permit for land disturbances of 1 acre or greater and land disturbances less than 1 acre but part of a common plan of development 1 acre or greater. Evidence of permit coverage from DEQ is required prior to any land-disturbance taking place. The City Environmental Programs

Division is responsible for BMP 5.1. Written procedures for inspection and enforcement are located in the Environmental Programs Division offices at 116 W Beverley Street. A copy of the VSMP approval letter is in Appendix Q of the MS4 Program Plan 2018-2023.

The City employs one DEQ certified VESCP/VSMP Combined Administrator and one Environmental Programs Specialist who is a DEQ certified VESCP/VSMP Inspector and Plan Reviewer. See BMP 4.1 for a description of the legal authorities and written procedures utilized by the City to ensure compliance with our VESCP and VSMP Programs.

Objective and Expected Results: The City adheres to current Commonwealth of Virginia regulations with regard to the VSMP permitting to prevent adverse impacts of urban stormwater runoff.

Implementation Schedule: The City of Staunton provides local VSMP administration in accordance with Commonwealth of Virginia Regulations and will continue to require applicable VSMP requirements be instituted throughout the permit cycle. The City will implement changes to their local ordinances to comply with modifications to the VSMP permitting regulations. Environmental Programs Division will be responsible for verifying VSMP permit compliance.

Method to Determine Effectiveness: The total number of permits, inspections, enforcement actions, exemptions applied for and exemptions granted is tracked. The annual report will include these values.

Stormwater Management Program (VSMP)

Permit Year 2	Permits	Total	Commercial sites	Single-family sites
July 1, 2024 - June 30, 2025	Total number of regulated land-disturbing activities	28	7	21
	Total number of exemptions applied for	0	0	0
	Total number of inspections conducted	566	212	354
Permit Year 2	Enforcement	Total	Notices to Comply	Stop Work Orders
July 1, 2023- June 30, 2024	Total number of enforcement actions taken	84	82	2

BMP – 5.2 Structural BMP Maintenance

The City has a program to ensure proper maintenance of all City owned structural BMPs. The City will continue to require a maintenance agreement for any new privately owned structural BMP. The City will continue to encourage owners of private structural BMPs without agreements to acquire the maintenance agreement. The City's Environmental Programs Division maintains a database of stormwater management facilities. This database is located at the Environmental Programs Division offices at 116 W Beverley Street.

Objective and Expected Results: By continuing the BMP maintenance program the City will ensure BMPs are performing optimally and are minimizing adverse impacts to state waters.

Implementation Schedule: The BMP maintenance program will be an ongoing effort throughout the permit cycle. The development of the program is a joint effort between Environmental Programs Division and Public Works. Public Works is responsible for the actual maintenance of all City owned structural BMPs. Environmental Programs Division is responsible for documenting new privately owned BMP agreements.

Maintenance Required/Performed in Permit Year 2: Routine maintenance/debris clearing as needed.

Method to Determine Effectiveness: The City tracks the total number of new BMP agreements. The annual report includes this number.

Structural BMP Maintenance					
Permit Year 2	Total Number of BMP Maintenance Agreements	Number of SWM Agreements		Number of SWM Facilities	
		New BMPs	Existing BMPs	New BMPs	Existing BMPs
July 1, 2024 - June 30, 2025	3	0	3	0	3

BMP – 5.3 Structural BMP Inspection

The City operates a program to inspect structural BMPs within the City. The existing maintenance agreements require property owners of private BMPs to inspect maintain and submit a report to the City upon request. The standardized report is available on the stormwater webpage. The City inspects private BMPs once every five years. City owned BMPs are inspected annually per the program described in BMP 5.2.

Objective and Expected Results: By continuing the BMP inspection program the City will attempt to ensure BMPs are performing optimally and achieving design pollutant reduction.

Implementation Schedule: The BMP inspection program will be ongoing throughout the permit cycle. Environmental Programs Division is responsible for implementing the programs and performing the inspections.

Method to Determine Effectiveness: The City tracks the total number of BMP inspections performed by private owners and completed by City personnel. The annual report includes these numbers.



City maintained BMP – bioretention at Crossing Way

Structural BMP Inspection

Permit Year 2	Total number of inspections	
	Public BMPs	Private BMPs
July 1, 2024 - June 30, 2025	21	33

BMP – 5.4 Structural BMP Database

The maintenance of the structural BMP database is instrumental in implementing BMP 5.2 and BMP 5.3. The BMP database includes the type of BMP, ownership, location, date brought online, HUC code, receiving waters, if receiving waterway is impaired, if maintenance agreement exists, number of acres treated and most recent inspection.

Objective and Expected Results: The database is used to track BMP inspections and maintenance to ensure that all BMPs are functioning properly and as designed.

Implementation Schedule: The BMP database is maintained throughout the permit cycle. Environmental Programs Division is responsible for compiling and maintaining the database.

Method to Determine Effectiveness: The City includes the updates to the BMP database in the annual report.

Annual Reporting: The BMP database for BMPs brought online during Permit Year 2 has been included in [Appendix C](#). SMF information as required was provided to CGP through database for which coverage was obtained.

BMP – 5.5 BMP Warehouse Submittal Confirmation Statement

All BMPs not reported in accordance with Part I.E.5 were reported through DEQ BMP Warehouse per Part I.E.5.g of the MS4 General Permit.

Minimum Control Measure 6 – Pollution Prevention / Good Housekeeping

The Pollution Prevention/Good Housekeeping BMPs allow the City to examine and alter its own actions in an effort to reduce the amount of pollutant that collects on streets, parking lots, and open spaces because of runoff from vehicle maintenance areas and poor stormwater maintenance.

No new good housekeeping procedure were developed this permit year, and no existing procedures were modified. A new procedure for applying anti-icing and deicing agents is being developed to meet the November 1, 2025 deadline and will be reference in next year's annual report.

Modifications to MCM 6: None this permit year.

BMP – 6.1 Street Sweeping

The City is in the process of modifying its street sweeping program to best conform to the new TMDL guidance standards.

Objective and Expected Results: The street sweeping program will reduce the adverse effects that pollutants found on public roads have on receiving waters.

Implementation Schedule: Public Works will continue this program through the permit cycle.

Method to Determine Effectiveness: The City tracks the number of road miles swept and relative data collected. The annual report includes these numbers.

Street Sweeping

Permit Year 2	Total number of road miles swept	Total number of tons collected
July 1, 2024 - June 30, 2025	-*	-

*Street sweeping was done this reporting year, but it was not properly tracked due to large amounts of staff turnover. Approximately 5 main roads through our downtown are swept up to 4 times a week all year long. A meeting between PW and Environmental Programs has already been held to discuss improving tracking going forward.

BMP – 6.2 Pollution Prevention Training

City departments, Public Works, Parks & Recreation and Fire Department, will continue its pollution prevention training to its employees. Bi-monthly safety committee meetings will incorporate environmental protection into the agenda as part of Public Works' environmental management systems program.

Objective and Expected Results: The pollution prevention training empowers employees with the knowledge and operating procedures to minimize accidental pollutant release that could contaminate storm water runoff. Through this training, employees realize environmental stewardship has many far-reaching benefits.

Implementation Schedule: The pollution prevention training is a current policy implemented throughout the permit cycle. Each department, Public Works, Parks & Recreation, Fire Department, Police Department and the Environmental Programs Division be responsible for departmental pollution prevention training.

Method to Determine Effectiveness: The City tracks the number of personnel trained. The annual report includes this number.

Pollution Prevention Training			
Permit Year 2	Total number of City personnel trained	Department	Training Date
July 1, 2024 - June 30, 2025	13	Public Works	6/12/2025
	9	Parks & Rec	9/17/2024
	-	Fire Department	-*
	48	Police Department	8/1/2025-8/28/2025

*Training for the Fire Department was missed this year. Environmental Programs will ensure it is held next year.

BMP – 6.3 SPCC Training

The City will continue to provide personnel with spill prevention control and countermeasure training. The plan specifies material handling procedures and storage requirements and identifies spill cleanup procedures for areas and processes in which spills may potentially occur.

Objective and Expected Results: The SPCC training attempts to standardize operating procedures and employee training toward the goal of minimizing accidental pollutant release that could contaminate storm water runoff.

Implementation Schedule: The SPCC training is a current policy that will continue to be implemented throughout the permit cycle. Moving forward, the Environmental Programs Division will be responsible for ensuring Public Works and Parks & Recreation provide SPCC training.

Method to Determine Effectiveness: The City tracks the number of personnel trained. The annual report will include this number.

Annual Reporting:

Personnel Trained

Department	Number of Employees Trained	Date
Public Works	13	6/12/2025
Parks and Rec	9	9/17/2024

BMP – 6.4 Yard Debris Collection Program

The City will continue its yard debris collection program. Residents are asked to rake leaves to the curb each fall where Public Works crews vacuum them up for composting. Usually, each area of the City will have two specific periods for leaf collection. Leaves may be bagged and, in limited numbers, put out with regular refuse.

Objective and Expected Results: By collecting and composting yard waste the City is reducing the amount of gross discards that would otherwise end up in the storm sewer system.

Implementation Schedule: This is a program that Public Works will continue throughout the permit cycle.

Method to Determine Effectiveness: The City tracks the total number of cubic yards and loads of debris collected. The annual report includes these numbers.

Yard Debris Collection Program

Permit Year 2	Total number of cubic yards collected	Total number of loads collected
July 1, 2024 - June 30, 2025	-	-*

*A new trash collection program was rolled out this year, which will increase the frequency of yard waste collection going forward. Collection was not tracked this year, but a software is being implemented to aid in tracking going forward.

BMP – 6.5 Dedicated Vehicle Wash Facility

The City currently operates and maintains two dedicated vehicle/equipment wash facilities, one at its equipment maintenance shop and one at its parks and recreation maintenance shop.

Objective and Expected Results: This program eliminates the many pollutants that would otherwise enter into the storm sewer system if a dedicated vehicle wash facility did not exist.

Implementation Schedule: This is an ongoing program that Public Works will continue throughout the permit cycle.

Method to Determine Effectiveness: The City tracks the total number of vehicles washed. The annual report includes this number.

Annual Reporting:

Dedicated Vehicle Wash Facilities

Permit Year 2	Total number of vehicles washed
July 1, 2024 - June 30, 2025	21

*More than 21 vehicles were washed in the facility, but tracking was not done again due to high staff turnover. Environmental Programs has already met with PW to ensure tracking is done moving forward.

BMP – 6.6 Storm Sewer Inspection and Maintenance

The City has developed a programmatic storm sewer inspection and maintenance program. The program includes expected routine maintenance and non-routine (repair) maintenance.

Objective and Expected Results: The storm sewer inspection and maintenance program will help ensure the storm sewer system is in good working order.

Implementation Schedule: The ongoing program will continue throughout the permit cycle. Environmental Programs Division and Public works will be responsible for developing and implementing the program.

Method to Determine Effectiveness: The City documents the number of storm structures and linear feet of storm sewer inspected. The annual report includes these numbers.

Storm Sewer Inspection

Permit Year 2	Total number of Storm Structures Inspected	Total Linear Feet of Storm drain Inspected
July 1, 2024 - June 30, 2025	-	-

* Storm sewer structures/pipes are inspected on an as needed basis. Inspections were not properly tracked this year. Environmental Programs met with PW to ensure tracking is done moving forward.

BMP – 6.7 Develop/Maintain SWPPPs for Required City Facilities

The City has identified four high priority City facilities that it operates. They are listed below.

Municipal High-Priority Facilities with A High Potential for Pollutant Discharge

Name of facility	Facility Address	Operator	Location of SWPPP
Public Works Operations Facility	1911 Craigmont Road	Public Works	1911 Craigmont Road
Parks and Recreation Maintenance Facilities	330 Park Boulevard	Parks and Recreation	330 Park Boulevard
Middlebrook Avenue Salt Storage Facility	866 Middlebrook Avenue	Public Works	1911 Craigmont Road
Parks and Recreation Pools	600 Churchville Avenue / 1000 Montgomery Avenue	Parks and Recreation	1000 Montgomery Avenue

The City maintains the Stormwater Pollution Prevention Plans (SWPPPs) for each high priority facility. The SWPPS are maintained by the facilities operators, which include Public Works and Parks and Recreation staff. Each SWPPP is located on site at the facility and is available upon request. The list of high priority facilities is reviewed annually. No changes were needed this permit year.

Objective and Expected Results: These documents provide guidance to prevent and reduce pollutant runoff from municipal operations.

Implementation Schedule: The City maintains the SWPPPs for each high priority facilities throughout the permit cycle.

Method to Determine Effectiveness: The annual report includes the total number of SWPPP inspections completed.

Permit Year 2 - SWPPP Inspections Performed

Name of facility	Facility Address	Number of Inspections Performed	Number of SWPPP Evaluations	Number of weather events prompting inspection
Public Works Operations Facility	1911 Craigmont Road	0*	1	0
Parks and Recreation Maintenance Facility	330 Park Boulevard	0*	1	0
Middlebrook Avenue Salt Storage Facility	866 Middlebrook Avenue	0*	1	0
Parks and Recreation Pools	600 Churchville Avenue & 1000 Montgomery Avenue	0*	1	0

*Staunton's Public Works and Parks and Recreation Divisions have been dealing with short-staffing and increased employee turn-over. As such, inspections were largely missed this year. Environmental Programs will be reevaluating this process to ensure compliance going forward. Quarterly check-ins will be implemented.

BMP – 6.8 Develop/Maintain Nutrient Management Plans for Required City Sites

The City has identified six sites, over one acre, that require a Nutrient Management Plan (NMP). Those sites are listed below.

Municipal Facilities Requiring Nutrient Management Plans

Name of facility	Facility Address	Planner	Acres Covered Under NMP
Gypsy Hill Golf Course	300 Park Boulevard	Parks and Recreation	1.90
John Moxie Baseball Stadium – Gypsy Hill	600 Churchville Avenue	Parks and Recreation	2.5
Jerry May, Bosserman, and Kiwanis Baseball Fields – Gypsy Hill	600 Churchville Avenue	Parks and Recreation	2.5
Springel, Harlow, and Lancaster Girl's Softball Fields – Montgomery Hall	1000 Montgomery Avenue	Parks and Recreation	5.4
Montgomery Hall Park Soccer Complex	1000 Montgomery Avenue	Parks and Recreation	4
Winston Wine Football Complex – Gypsy Hill	600 Churchville Avenue	Parks and Recreation	2.25

The City maintains a Nutrient Management Plan for each of these sites. The plans are located at each of the facilities and are available for review upon request. The current NMPs on file are expired. City staff are working with DCR to have approved plans for all facilities list above and will include that information in next permit year's report.

Objective and Expected Results: The developed NMP defines the amount, source, placement, form and timing of the application of nutrients and soil amendments to ensure optimal management.

Implementation Schedule: The City will continue to implement the NMP through this permit cycle.

Method to Determine Effectiveness: The annual report includes the total amount of nutrients applied to the acreage of each site.

Permit Year 2 - Municipal Facilities Requiring Nutrient Management Plans

Name of facility	Facility Address	Acres Covered Under NMP	Total Amount of Nutrients Applied (lbs./1000ft2)
Gypsy Hill Golf Course	300 Park Boulevard	1.90	Nitrogen: 1.93 Phosphorus: .06 Potassium: 1.46
John Moxie Baseball Stadium – Gypsy Hill	600 Churchville Avenue	2.50	Nitrogen: 1.01 Potassium: .18
Jerry May, Bosserman, and Kiwanis Baseball Fields – Gypsy Hill	600 Churchville Avenue	2.50	Nitrogen: 0 Potassium: 0
Springel, Harlow, and Lancaster Girl's Softball Fields – Montgomery Hall	1000 Montgomery Avenue	5.40	Nitrogen: 1.01 Phosphorus: .18
Montgomery Hall Park Soccer Complex	1000 Montgomery Avenue	4.00	Nitrogen: 1.01 Potassium: .18
Winston Wine Football Complex – Gypsy Hill	600 Churchville Avenue	2.25	Nitrogen: 3.10 Potassium: .22

Trainings:

- On April 11, 4 employees completed a pesticide re-certification training course.
- On April 11, 6 employees completed a pesticide certification exam prep course.

Chesapeake Bay TMDL

In December of 2010, the United States Environmental Protection Agency established a total maximum daily load (TMDL), or “Pollution Diet”, to limit the amount of phosphorus, nitrogen, and sediments that can be released into the streams, creeks, and rivers that feed the Chesapeake Bay. These measures were established as an effort to improve the water quality of the Bay and to return it to a swimmable and fishable state. The Bay TMDL limits were divided into smaller TMDLs that were assigned to drainage basins across six (6) states including Virginia. To respond to the TMDL the Commonwealth of Virginia committed to a phased approach to implementation for MS4 programs. The phased approach for MS4 communities includes a requirement to meet a reduction goal of 100% during the 2023 – 2028 MS4 Permit Cycle.

The City of Staunton has developed a draft TMDL action plan based on the 2018 – 2023 permit cycle guidance document and the VAR04 permit requirements. The draft action plan will be finalized, and the City of Staunton will employ appropriate actions to meet the planning document during the 2023 – 2028 cycle. The implementation will provide 100 percent of the L2 Scoping Run based on lands within the 2000 Census urbanized areas.

Staunton will update the draft TMDL action plan to address new sources and grandfathered sources that are in the expanded MS4 area as identified by the 2020 census urban areas.

Objective and Expected Results: The development of a Chesapeake Bay TMDL Action Plan that will provide implementation guidelines and a program of management practices that will facilitate compliance with the condition of future permits.

Implementation Schedule: The City will submit the TMDL Action Plan for the Third permit cycle (July 1, 2023- June 30, 2028) within 12 months of the permit issuance date (November 2023).

- 1) Part II.A.13a – BMPs not Reported to the BMP Warehouse - *No BMPs installed*
- 2) Part II.A.13.b – Credits - *No Credits purchased*
- 3) Part II.A.13.c – *Cole Avenue Stream Restoration, Gypsy Hill Park Stream Restoration*
- 4) Part II.A.13.d – BMPs planned for the Next Reporting Period – Lake Tams Continuous Monitoring/Control System – Phase 1

Local TMDL

The City of Staunton is located within the South River and Middle River watersheds in Augusta County Va. This waterway was listed as high priority impairment list for fecal coliform and general benthic in 1996. As a result, a TMLD was developed and approved in April of 2004. The City was not specifically allocated a waste load as part of the TMDL planning process. The final TMDL instead provided allocations to the major sub-watersheds including Lewis Creek. City of Staunton is not required to develop an implementation plan per an email from DEQ representative Nesha Mcrae dated April 8, 2020.

Objective and Expected Results: Not applicable.

Implementation Schedule: Not applicable.

Responsible Parties

The departments and divisions of responsibility for implementation of MS4 program elements are included in BMP descriptions above. Contact information for each responsible party is located below:

Executive Officer

Title: City Manager

Name: Leslie M. Beauregard

Address: P.O. Box 58 Staunton, VA 24402

Phone: 540-332-3812

Email: beauregardlm@ci.staunton.va.us

Program Management

Environmental Programs Division

Title: Environmental Programs Administrator

Name: Willow Hughes

Address: P.O. Box 58, Staunton, VA 24402

Phone: 540-332-3853

Email: hugheswv@ci.staunton.va.us

Department of Public Works

Title: Director

Name: Dave Irvin

Address: P.O. Box 58, Staunton, VA 24402

Phone: 540-332-3892

Email: irvin dh@ci.staunton.va.us

Department of Parks and Recreation

Title: Director

Name: Christopher J. Tuttle

Address: P.O. Box 59, Staunton, VA 24402

Phone: 540-332-3945

Email: tuttlecj@ci.staunton.va.us

Staunton Fire Department

Title: Fire Chief

Name: Jason Ball

Address: P.O. Box 58, Staunton, VA 24402

Phone: 540-332-3884

Email: balljc@ci.staunton.va.us

APPENDICES

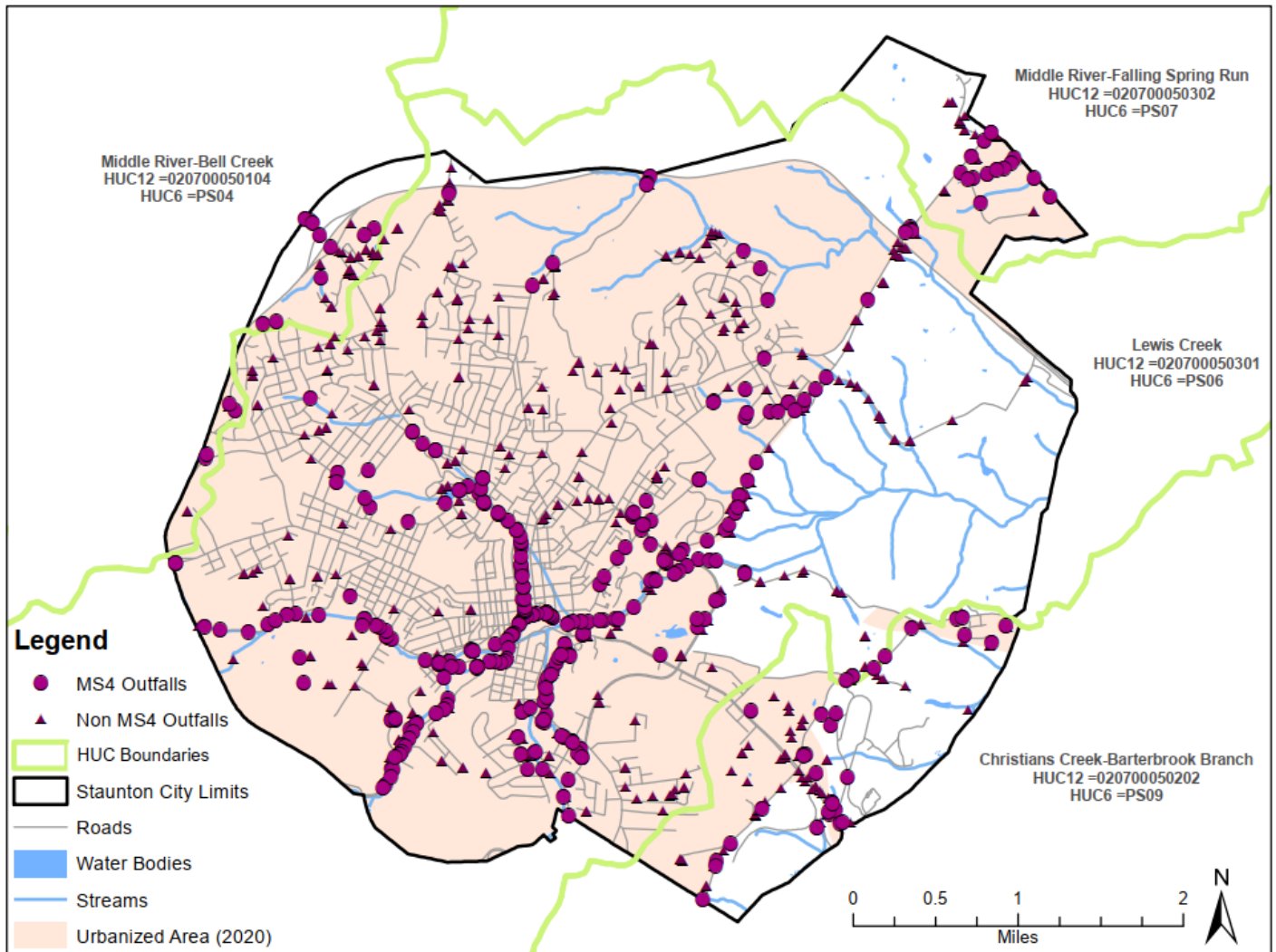
APPENDIX A ILLICIT DISCHARGE DETECTION & ELIMINATION PROGRAM DATABASE

Illicit Discharge Detection and Elimination (IDDE) Database - FY25						July 1, 2024 through June 30, 2025				
Number	Notification Type	Date Potential Illicit Discharge Observed	Date Potential Illicit Discharge Reported	Did Discharge Reach Local Waterway	Was Discharge to Impaired Waters	Photos	Reports	Description of the Investigation (Including Follow Ups)	Resolution of the Investigation	Date Closed
1	VADEQ alerted via email	10/11/2024	10/11/2024	No	No	y	y	Stormwater Department alerted by Public Works crew that stormwater drop inlet in front of 828 Trout Street was filled with motor oil. PW crew reported motor oil coming out of a drop inlet while they were cleaning it out.	No signs that motor oil made it to state waterways were observed. This inlet first discharges into a vegetated/woody area on private property (825 Trout Street). Based on GIS and field inspection, it appears water then flows as sheet flow towards Anderson Street where it eventually reaches another drop inlet near 941 Anderson Street. The stormwater pipes take the water to Buttermilk Spring Run, a tributary of Lewis Creek, near 400 Bridge Street. No motor oil was observed at any of these locations.	10/11/2024
2	VADEQ was notified via online pollution report	10/28/2024	10/28/2024	No	No	N/A	Y	On Saturday, 10/26/2024, Public Works was notified via email of a potential sewage leak.	PW cleared the blockage to the sewage line and applied lime to the area affected by the spill.	10/28/2024
3	VADEQ was notified via online pollution report	11/11/2024	11/12/2024	No	No	N/A	Y	Collapsed sewer main near 2505 Hickory Street.	Pipe repaired and area of discharge treated with Lime.	11/12/2024
4	Dominion Notified regional VADEQ office	11/20/2024	11/20/2024	No	No	N/A	y	A vehicle accident resulted in a broken power line pole, which caused 3 50KVA overhead transformers to fall and spill approximately 49 gallons of non-PCB mineral oil. This oil did make it to a storm drain, but did not make it to a waterway.	Dominion handled the clean up and ran all information through the City for approval. From Dominion: An oil spill response contractor was dispatched and has completed clean-up. Oil was removed from the roadway utilizing loose absorbent, absorbent socks/pillows, and a vacuum truck. The oil and oil impacted absorbents were containerized for disposal. The oil impacted portion of the storm drain system was flushed with water and the water/oil was collected for disposal by the vacuum truck. Oil absorbent booms were placed in the storm drain as a precaution and the booms will be collected after a subsequent rain event.	11/21/2024
5	VADEQ was notified via online pollution report	12/10/2024	12/11/2024	Yes	Yes - Lewis Creek	N/A	Y	On Tuesday, 12/10/2024 Public works was notified of a sewage overflow near 100 Village Lane. Approximately 200 gallons were discharged. Discharge reached Lewis Creek, but no impacts or fish kills were observed.	Overflow was due to a blockage, which was cleared. The affected area was washed down and limed. VDH was notified.	12/11/2024
6	VADEQ was notified via online pollution report	2/10/2025	2/11/2025	Yes	No	N/A	Y	A sewer overflow was observed near 490 Mtn. View Dr. where a blockage caused the line to leak at the joint. Leak reached unnamed wet weather stream. No impacts observed. Public Works staff responded around 7:00PM.	After clearing the blockage, the overflow stopped at approximately 8:00PM. Area limed.	2/11/2025
7	VADEQ was notified via online pollution report	2/23/2025	2/24/2025	Yes	Yes - Lewis Creek	N/A	Y	On Sunday, 2/23/2025 around 1:30 pm, a sewer overflow was observed near 44 Middlebrook Ave. caused by a grease blockage in the sewer main.	Blockage cleared and area washed down, including affected drain adjacent to SSO.	2/24/2025

8	VADEQ was notified via online pollution report	3/5/2025	3/5/2025	Yes	Yes - Lewis Creek	N/A	Y	On the morning of 3/5/2025 during a routine maintenance stop, PW staff discovered evidence of a sewer backup and surcharge near 100 Greenville Avenue. PW crew began the process of unblocking the line and in the process some sewage overflowed the cleanout and ran into the Lewis Creek. No fish kill was observed.	Once blockage was cleared, PW crew cleaned area and will continue to monitor for any reoccurring issues at the site.	3/5/2025
9	VADEQ was notified via online pollution report	3/11/2025	3/11/2025	No	No	N/A	Y	On the morning of 3/11/2025 a broken sewer lateral was discovered near 1135 Richmond Ave. The sewer pipe was repaired.	Once sewer pipe was repaired, areas was washed down and completely flushed. Lime was tehn applied to affected area.	3/11/2025
10	VADEQ was notified via online pollution report	3/19/2025	3/20/2025	No	No	N/A	Y	Sewage spill during testing of sewer line near 2505 Hickory Street. An expansion plug intended to hold sewage back during the test process failed, allowing full flow of sewage	Spill was routed directly into a dry creek bed by terrain. Area was heavily limed directly after the incident occurred.	3/20/2025
11	VADEQ was notified via online pollution report	3/29/2025	3/31/2025	No	No	N/A	y	Blockage in santary line near 1713 Orange St. cause application 15 gallons to discharge. Did not reach state waters.	Blockage was clears and area was washed down with lime.	3/31/2025
12	No Issue Actually Observed - No Report Sent	4/2/2025	4/2/2025	No	No	N/A	y	On 4/2/2025, the Director of Public Works received a complaint from a citizen claiming they had seen acetone being dumped into a storm drain outside of a nail salon. Upon review by Environmental Programs Division, nothing was observed in the noted drop inlet. Additional information provided by the complainant revealed the dumping had occurred multiple days before. No lingering issues were observed. Outfall was checked, and no impact to the stream was observed.	Environmental Programs Administrator spoke to manager of the Nail Salon and told him dumping pollutants down a storm drain was prohibited. He claims it was only water, and said he understood only water was permitted down the drain.	4/2/2025
13	VADEQ was notified via online pollution report	4/22/2025	4/23/2025	No	No	N/A	y	Blockage in santary line near 609 D St causing 50 gallons of discharge. Did not reach state waters.	Blockage was cleared and area was washed down with lime.	4/23/2025
14	VADEQ was notified via online pollution report	5/12/2025	5/13/2025	yes	Yes - Lewis Creek	yes	y	Citizen called the day after he observed black, smelly discharge into Lewis Creek in the Wharf area along exposed creek at Byers St bridge. Citizen sent photo and video of the discharge. After phone call, Hunter Moore went to the location but did not see the discharge from the outfall. She took a picture of the same outfall and could not find source of discharge. DEQ was notified after inspection. Rooftop work on wharf buidling was noticed by the team later in the week. A letter was sent to this address.	Environmental Programs team contacted DEQ about the IDDE report. DEQ asked staff to check downstream for signs of fish kill. Staff looked downstream of outfall on 5/14 and observed no dead fish. Later in the week, rooftop work on wharf building was noticed, so letter was sent to this address (1 Middlebrook Ave) on 5/20	5/20/2025
15	Citizen report by phone call and text	6/7/2025	6/9/2025	No	No	N/A	y	On 6/7/25 Water Plant Staff received a call for a sewer backup. Utilities staff were dispatched to the home near 130 Garber Street. Upon opening the cleanout to clear the blockage a small amount of sewage spilled onto the ground.	Staff cleared the blockage, then cleaned and limed the area.	6/9/2025
16	Citizen report by phone call	6/25/2025	6/25/2025	No	No	y	y	On 6/25/25 City staff received a call from the owner of 674 E Beverley St. When owner came home, there was an unmarked concrete truck parked across the street from her property cleaning out his drum into the storm sewer. Owner ran truck off but at least some of the concrete drained across the street and down the newly installed storm sewer at Bottenfield, onto VSDB property at 616E Beverley.	Environmental Programs and Public Works staff was notified. PW cleaned washout.	6/25/2025

APPENDIX B
OUTFALL AND POINTS OF DISCHARGE MAP

Staunton, VA - Outfall Map



APPENDIX C BMP DATABASE ADDITIONS

BMP NO.	SITE/SUB DIVISION NAME	SITE ADDRESS	OWNER	SITE LOCATION		FACILITY TYPE	ACRES TREATED			ONLINE DATE		VA HU6	RECEIVING WATERS	IMPAIRED WATERS	SWM AGREEMENT
				LATITUDE	LONGITUDE		TOTAL	PERVIOUS	IMPERVIOUS	MONTH	YEAR				
BPC10	Crosscrest Unit 5	12 Hannah Circle	Ron & Jessica Herr; Charles & Sharlene Richards	38.171023	-79.10390417	Extended detention	8.10	6.20	1.90	3	2008	PS06	Peyton Creek	No	yes
BVT6	Green Hills Professional Center	15 Green Hills Drive	SLMN, LLC	38.190564	-79.02457167	Underground gravel / infiltration	0.56 onsite 0.60 offsite	0.14	0.42	12	2006	PS07	Verona Tributary	No	yes
BPR1	St Paul United Methodist Church	2000 Shutterlee Mill Road	St Paul United Methodist Church	38.186832	-79.08305667	Extended detention	2.45	0.69	1.76	7	1998	PS06	Poague Run	No	yes

APPENDIX D

Assessment of the Appropriateness of Identified BMPs

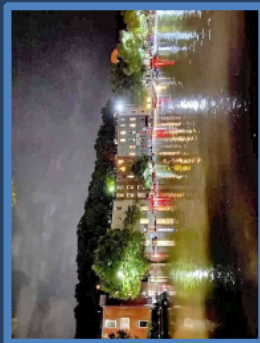
The City of Staunton has determined that the best management practices included in the MS4 Program Plan that the City already had in place during Permit Year 1 represent an appropriate selection and implementation of a stormwater management program as defined by the General Permit for Discharges of Stormwater from Small Municipal Separate Storm Sewer Systems.

No deficiencies have been found within the existing BMPs or within the new BMPs currently being developed for the Program.

APPENDIX E FY25 – WATERSHED AWARENESS BROCHURE 2025

Sign up for flood alerts:

In response to the major flooding in August of 2020, the city created a **Flood Awareness System**. This system consists of six stream depth sensors and seven rain gauges placed throughout Staunton's watershed. Their near real-time data can be viewed anytime on the system's online dashboard.



Staunton's 2020 flood

Citizens can also sign up to receive text or email **alerts** that are triggered when monitored streams rise to levels of concern or when the rain gauges receive more than 2-inches of rain in an hour.

For more information or to sign up for alerts, visit the Flood Awareness page of the City's website or view the dashboard directly at stauntonva.onerain.com.



Rain sensor

Staunton's Stormwater Tips

The purpose of this brochure is to educate citizens of Staunton on the importance of stormwater management and pollution reduction. For more information on any of the stormwater topics discussed in this brochure, visit the Environmental Programs Division's page on the city's website.

To report stormwater pollution or if you have a question concerning stormwater, please contact the city's Stormwater Hotline at **540-213-6517** or StauntonStormwater@ci.staunton.va.us

Important program updates and additional stormwater educational information can be found on our Facebook page at: facebook.com/stauntonstormwater

GET INVOLVED!

Opportunities offering public participation:

- Regional Household Hazardous Waste Collection Day
- Earth Day Celebration (*in April*)
- Clean the Bay Day (*in June*)
- Attend a monthly meeting of the Lewis Creek Watershed Advisory Committee



Community Development Department
116 West Beverley Street
3rd Floor
Staunton, VA 24401
Phone: .540.332.3858
www.staunton.va.us



"City of Staunton – Watershed Awareness"

Only Rain Down the Drain

Staunton's Stormwater Tips



Stormwater Quick Facts



- Precipitation that does not evaporate or infiltrate into the ground becomes stormwater runoff.
- Precipitation cannot soak into impervious surfaces like streets, roof tops, sidewalks, and driveways. More impervious area leads to more runoff.
- One inch of rain falling on an acre of impervious surfaces can produce about 27,000 gallons of water.
- Stormwater runoff flows across impervious areas until it reaches a storm sewer inlet which takes it directly to a local waterway.
- Stormwater picks up any pollutants it encounters and takes them directly to local waterways.
- Stormwater runoff is not treated at the local water treatment plant.
- Polluted stormwater runoff can have many negative effects on plants, fish, animals, and people.



How Can you Reduce Stormwater Pollution?



Properly throw away all trash



Pick up pet waste



Minimize fertilizer and pesticide use



Plant native plants and trees



Properly maintain cars to prevent leaks

Wash cars on grass, or even better at a commercial car wash



Keep yard waste out of storm drains



Stabilize any areas of bare soil in your yard

Properly store and dispose of hazardous materials and clean up any spills.



Reduce road salt use in the winter



Install a rain barrel, plant a rain garden, replace driveway with permeable pavers, or install other Best Management Practices (BMPs)



Permeable pavers

Underground pipes carry stormwater directly to local streams.

What is a MS4?

A Municipal Separate Storm Sewer System (MS4) is a network of drainage systems, designed to carry stormwater runoff directly to nearby waterways. These underground pipes, ditches, and other conveyances are completely separate from the sanitary sewer system.

In 2013, Staunton was designated as a MS4 due to the density of urban development within the city. As a result, Staunton was required to obtain a permit from the State to discharge water from storm drains to local streams. This permit requires Staunton to develop, implement, and enforce a MS4 Program to **minimize the discharge of pollutants into the surface waters** of our local streams, and ultimately the Chesapeake Bay.



Staunton is in the Chesapeake Bay Watershed

