AUGUSTA COUNTY

MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4)

ANNUAL REPORT 2024-25

VAR04131

Augusta County Community Development

18 Government Center Lane

Verona, Virginia 24482

October 2025

Acronyms and Abbreviations

POC – Pollutant of Concern

MCM – Minimum Control Measure

MS4 – Municipal Separate Stormwater Sewer System

NMP – Nutrient Management Plan

SOP – Standard Operating Procedures

SWPPP – Stormwater Pollution Prevention Plan

VSMP – Virginia Stormwater Management Program

BMP- Best Management Practice

SWM-Stormwater Management Practice

TMDL- Total Maximum Daily Load

DEQ- Department of Environmental Quality

INTRODUCTION

The County of Augusta is located in the Shenandoah Valley of the Commonwealth of Virginia and surrounds the independent cities of Staunton and Waynesboro. The County received the VSMP General Permit for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems (MS4) in 2013 based off the 2010 Census data.

This stormwater management Program Plan was developed for Augusta County in accordance with the VSMP General Permit VAR04 (MS4 Permit). The permit term is November 1, 2023 through October 31, 2028. General permit for discharge of stormwater from the small municipal separate storm sewer systems permit number for Augusta County is VAR040131.

The MS4 Permit requires the County to develop an MS4 Program Plan and to submit Annual Reports (this document), for each period between July 1 through June 30. Modifications to the MS4 Program Plan are expected throughout the life of the permit as part of the iterative process to reduce pollutant loadings and to protect water quality. The County's MS4 Program Plan and Annual Reports available on the County's MS4 webpages: https://www.co.augusta.va.us/government/community-development/engineering/ms4-program.

Additional information on the laws and regulations affecting the City and its operation of an MS4 can be found in:
- Virginia Stormwater Management Act, Article 2.3 (§62.1-44.15-24 et seq.) of Chapter 3.1 of Title 62.1 of the Code of Virginia
- Virginia Administrative Code, 9VAC25-870, Virginia Stormwater Management Program (VSMP) Regulations
- Virginia Administrative Code, 9VAC25-890-40, General VPDES Permit for Discharges of Stormwater from Small Municipal Separate Storm Sewer Systems
- Virginia Department of Environmental Quality, Municipal Separate Storm Sewer Systems, http://www.deq.virginia.gov/Programs/Water/StormwaterManagement/VSMPPermits/MS4Permits.aspx

WATERSHED

The County of Augusta is 971 square miles and consists of a mixture of agricultural, forested, and densely urbanized towns. Urbanized areas emerge around and in-between the two independent cities, with Fishersville being the largest urbanized area.

ROLES AND RESPONSIBILITIES

Augusta County's Community Development coordinates the County's Municipal Separate Storm Sewer System (MS4) program. The MS4 Coordinator is responsible for developing and updating the MS4 Program Plan and submitting Annual Reports. The following is a list of primary contact persons for coordinating and implementing the program. These names will be updated as necessary and included as part of the annual report.

CONTACT INFORMATION

PRINCIPAL EXECUTIVE OFFICER

Title: County Administrator
Name: Timothy Fitzgerald
Address: 18 Government Center Lane
             PO Box 590
             Verona, VA 24482
Phone: (540) 245-5610
Email: tfitzgerald@co.augusta.va.us

DULY AUTHORIZED REPRESENTATIVES

Title: Director of Community Development
Name: Doug Wolfe, P.E.
Address: 18 Government Center Lane
             PO Box 590
             Verona, VA 24482
Phone: (540) 245-5700
Email: dwolfe@co.augusta.va.us

Title: County Engineer
Name: Garrett Shultz, P.E.
Address: 18 Government Center Lane
             PO Box 590
             Verona, VA 24482
Phone: (540) 245-5700
Email: gshultz@co.augusta.va.us

Title: MS4 Coordinator, Point of Contact
Name: Gib Lewis
Address: 18 Government Center Lane
             PO Box 590
             Verona, VA 24482
Phone: (540) 245-5700
Email: glewis@co.augusta.va.us

MS4 ANNUAL REPORT

The MS4 Annual Report details the County of Augusta's stormwater program to manage the quality of stormwater runoff discharged from the MS4 permit, number VAR040131.
Evaluations gathered while developing the 2024-2025 MS4 Annual Report will be considered during the minimum control measure evaluations throughout the document as well as in the MS4 Program Plan. This report and subsequent annual reports from the five-year permit cycle will remain on file in the Community Development Department and on the County stormwater webpage.

1. PUBLIC EDUCATION AND OUTREACH

MCM 1 - PROGRAM DESCRIPTION

The Public Education and Outreach MCM is a component of the MS4 Program that empowers the citizens by first educating them on Stormwater Pollution. With this knowledge they can take the first steps in being a part of the solution towards Stormwater Pollution.

1.1 BMP: LOCAL HIGH PRIORITY WATER QUALITY ISSUES

The County has identified three high-priority water quality issues:

1. **Illicit Discharges for Commercial and Residential**: Illicit Discharge Education was selected due to its preventable impact on the health of local waterways. Illicit Discharge Elimination is only attainable with public involvement *i.e.* Illicit Discharge Reporting and Education.
2. **Pet Waste Management**: Fecal Coliform (*E. Coli*) impacts many of the streams and rivers throughout Augusta County. The "Pet Waste Program" aims to educate the Public on the impacts of harmful bacteria loads on local waterways and how properly cleaning up after their pet can prevent that.
3. **BMP Maintenance**: BMP Maintenance was selected based on the required inspections performed by the county and the resulting data. Structural Stormwater Facilities function optimally when maintained properly, resulting in improved water quality treatment.

1.2 BMP: ILLICIT DISCHARGES FROM COMMERCIAL AND RESIDENTIAL

- **General Information, Objective, and Expected Results:** The public will be educated on the definition of Illicit Discharge, types of discharges, how to safely identify possible discharges, and how to report. Both pollution prevention and pollution detection are seen as equally vital to the MS4 Program. As the permit cycle proceeds, the Program hopes and anticipates that this knowledge will proactively prevent stormwater from being polluted.
- **Implementation Schedule:** The program will continue to educate the public on illicit discharge throughout the entire permit cycle. A new brochure was developed by the MS4 coordinator and distributed at the County Fair and was made available in public places such as libraries and The Government Center.
- **Method to Determine Effectiveness:** Effectiveness will be determined on the total of written material distributed.

BMP EFFECTIVENESS

- **Review of BMP:** The lack of phone calls received concerning potential Illicit Discharges revealed to the program further effort to educate the public needs to be made. New material has been made by the MS4 Coordinator and a new definition of "Illicit Discharges" has been posted on the webpage. Around 150 flyers have been distributed with the fair, county office building, and at the libraries. With this new partnership between the county libraries and the MS4 Program should yield a larger audience reached in terms of Public Education & Outreach.

- **Program Plan Revisions:** In terms of Education, there needs to be a stronger emphasis on both residential and commercial illicit discharges. The MS4 Program will dedicate more time & resources to get the general public familiar with Stormwater Pollution and how to report it. With the adaptation of new software, the MS4 Coordinator has made a second flyer to be distributed and posted on social media. Storm sewer stenciling is strongly being considered by the MS4 Programs to further educate the public.

1.3 BMP: PET WASTE PROGRAM

- **General Information:** The "Pet Waste Program" has a strong emphasis on education as a means of stormwater pollution prevention. The public will be made aware of the negative environmental impacts of improperly disposing their pets' waste.
- **Objective and Expected Results:** Written information has been disseminated to the public at the County Fair and posted online about the effects of pet waste on local waterways. With the increased education, the MS4 Program hopes to find less pet waste in the storm sewer during inspections.
- **Implementation Schedule:** The County will continue to educate the Public of the dangers of stormwater contamination throughout the permit cycle.
- **Method to Determine Effectiveness:** Effectiveness will be determined by the total number of written materials distributed hits the page receives and brochures distributed.

BMP EFFECTIVENESS

- **Review of BMP:** When told of the impacts pet waste has on the environment, the public shows genuine concern. This is enough to encourage the MS4 Program to keep pushing educational material to reach a wider audience. Around 50 flyers have been distributed at public events and public display.
- **Program Revisions:** Other types of media are being utilized to reach more citizens. Social media will be utilized more often this next permit year. A short information video is currently in development. Written information can be distributed with the Dog-Tag mailing letters that are sent quarterly in order to engage a targeted audience.

1.4 BMP: POST-CONSTRUCTION BMP MAINTENANCE

- **General Information**: As impervious surface increase due to new construction, so does the stormwater runoff. In order to treat this runoff permanent Stormwater Maintenance Structures are constructed. These structures are to be maintained in perpetuity per the Stormwater Management Agreement, that is signed and sent to the courthouse before a construction permit is terminated. However, some SWMs/BMPs are often neglected and left in disrepair a few years post-construction.
- **Objective and Expected Results**:   In an effort to proactively inform the landowners of BMP Maintenance, the E&S Inspector and or Administrator make an effort to emphasize the matter during Pre-Construction Meetings. Upon Construction Permit Registration, a landowner will be notified of their responsibilities of BMP Management Post-Construction.
- **Implementation Schedule:** Landowners/Developers will be informed from construction permit registration through project completion/permit termination. This will continue throughout the permit year.

- **Method to Determine Effectiveness:** Effectiveness can be determined by the overall conditions of the BMPs inspected during the Permit Year.

BMP EFFECTIVENESS

- **Review of BMP:** Over half of the BMPs inspected or observed in their post-construction phase, are in need of repair.   This data demonstrates that more education is necessary.
- **Program Plan Revisions:** The webpage should include more instructions and handouts are being developed to hand to developers/landowners during construction. The County will also develop and send written material to landowners with established/older structural BMPs in order to gear a more targeted audience.

1.5 BMP: EDUCATION & OUTREACH: MS4 PROGRAM WEBPAGE

- **General Information:** A dedicated MS4 Webpage is on the County Website. On the webpage there is educational material, The MS4 Permit Coverage Letter, MS4 Program Plan, Annual Reports, and the TMDL Action Plan.
- **Objective and Expected Results:** The MS4 Coordinator now has direct control over the MS4 Webpage as well as other areas of the Stormwater Pages. Along with updated language for the Illicit Discharge Program, the IDDE team anticipates the Webpage to be utilized more as an Outreach Tool.
- **Implementation Schedule:** The MS4 Coordinator will continue to upload new information on the website for public education throughout the permit cycle. Links to the website were on the first iteration of the IDDE brochures in the form of a QR Code.
- **Method to Determine Effectiveness:** Effectiveness will be determined by the total number of hits the page receives.

BMP EFFECTIVENESS

- **Review of BMP:** Due to a website analytics issue, all historic webpage data including website traffic has been lost.
- **Program Plan Revisions:** The webpage and brochures have been edited and created in order to better educate the public.

1.6 BMP: OUTREACH ACTIVITY: AUGUSTA COUNTY FAIR

- **General Information:** The MS4 Coordinator had a booth and display at the Augusta County Fair in July. Fair-visitors had the opportunity to learn what the MS4 Program does and how they can help.
- **Objective and Expected Results:** Educational material was disseminated to any citizens that were willing to visit the booth. New IDDE brochures along with a link to our webpage and new online reporting were handed out, Pet Waste, Pollution Prevention, and Commercial and Residential IDDE material.
- **Implementation Schedule:** July 22-25, 2025

- **Method to Determine Effectiveness:** The fair had 5,000 attendants overall and the effectiveness of the event may be determined by the number of conversations had, written-material distributed, and webpage visits (QR links were on the IDDE brochures).

BMP EFFECTIVENESS

- **Review of BMP:** The fair was a positive event as a lot of written material was distributed. Around 50 flyers were handed out during the event.
- **Program Plan Revisions:** The MS4 Program will have a dedicated booth next permit year.

2. PUBLIC INVOLVEMENT AND PARTICIPATION

MCM 2 - PROGRAM DESCRIPTION

The Public Involvement & Participation portion of the MS4 Program gives the citizens opportunities to be directly involved with activities that are an immediate benefit to the environment. Augusta County will continue to participate in the following local events/activities annually to address public involvement with stormwater and environmental activities:

2.1 BMP: SPRING CLEAN-UP

- **General Information**: Augusta County hosts an event in the spring to collect tires and bulky garbage free of charge for County residents.
- **Objective and Expected Results:** The Spring Clean-Up event provides residents an opportunity to dispose of bulky at the convenience centers located throughout the County. Throughout this event local Ruritan Clubs host localized clean-up events. The County promotes the event while providing resources such as open-top containers and covering the haul cost and tipping fees. Residents are encouraged to not only clean up their own properties but to also to look at the streams and natural spaces around them.
- **Implementation Schedule**: The County will continue to host this event throughout the permit cycle.
- **Method to Determine Effectiveness**: Effectiveness will be determined by the total haul of materials.

BMP EFFECTIVENESS

- **Review of BMP:** The event was April 26-May 3,2025. Educational material went out to all community groups and helpful guides on how to dispose of materials were sent out on the Recycling and Solid Waste website. Around 4000 flyers for the event were passed out to both schools and the community. A total of 113,540 pounds of waste was hauled as well as 301 tires.
- **Program Plan Revisions:** The new freon-based appliance fees were waived for this event. Local Environmental Groups will be targeted next permit year to increase attendance.

2.2 BMP: HOUSEHOLD HAZARDOUS WASTE DAY

- **General Information**: Augusta County hosts an event in the fall to collect used oil, antifreeze, gas solvents, oil-based paints, pesticides and herbicides from residents for proper disposal or recycling. The County hosts this event in collaboration with Staunton and Waynesboro. Events are posted on the website and contain locations and items collected prior to the events. The County allows participation from neighboring Staunton and Waynesboro city residents, as well as, County residents. The County records vehicle origin and documents the type and tonnage of hazardous waste collected.
- **Objective and Expected Results:** The Household Hazardous Waste Collection event provides residence an opportunity to dispose of hazardous items that are not accepted by the regional landfill. By offering this event, this prevents the hazardous items from being

improperly disposed of in the landfill or from being discharged into the storm sewer and local waterways.
- **Implementation Schedule**: The County will continue to host this event every year while continually improving by reaching more residents.
- **Method to Determine Effectiveness**: Effectiveness will be determined by the total haul of materials.

BMP EFFECTIVENESS

- **Review of BMP:** The event was held on September 21, 2024. The County along with the Regional Landfill worked together to collected hazardous material from citizens of Augusta County, and Cities of Waynesboro and Staunton. A total of 208 vehicles came to the event. Citizens of Augusta County were notified by the local newspapers, County, School Library and Service Authority websites and distribution of more than 7,000 flyers at the County Government Center, Elementary Schools and Augusta Regional landfill.
- **Program Plan Revisions:** Due to active construction of the new courthouse, the event was held at Waynesboro City Shop. Next permit year, there may be more than just one HHW day so citizens won't have to hold hazardous material an entire year.

2.3 BMP: PET WASTE PROGRAM

- **General Information:** The Pet Waste Program is a new collaborative event with Parks & Recreation and the MS4 Program to prevent Pet Waste from entering local waterways.
- **Objective and Expected Results:** Written information has been disseminated to the public and posted online about the effects of Pet Waste on local waterways. Citizens are also encouraged to utilize the dog-bins within their local community, or in the parks if they are visiting. The county will monitor the bins that are on county property and restock as necessary.
- **Implementation Schedule:** The County will continue to educate the Public of the dangers of stormwater contamination with the intention to install and maintain more Pet-Waste-Stations throughout the County.
- **Method to Determine Effectiveness:** Effectiveness will be determined by how often the bins have to be maintained on county owned land *i.e.* the parks.

BMP EFFECTIVENESS

- **Review of BMP:** Typically, the bins are maintained by Parks & Recreation on a bi-weekly basis.
- **Program Revisions:** More Pet Waste bins will be installed on county-owned properties as necessary. The specific number of bags may be quantified for next permit year. A video is currently in development. More signs will be posted at parks to encourage visitors to clean up after their pets.

2.4 BMP: INVOLVEMENT ACTIVITY: AUGUSTA COUNTY FAIR

- **General Information**: The MS4 Coordinator had a manned booth and display at the Augusta County Fair in July. Fair attendants had the opportunity to discuss Stormwater Pollution and ask any questions they had to the MS4 Coordinator.
- **Objective and Expected Results:** The main objective was to engage directly with the public and discuss stormwater pollution and other environmental concerns.
- **Implementation Schedule:** July 22-25, 2025
- **Method to Determine Effectiveness:** The fair had 5,000 attendants overall and the effectiveness of the event may be determined by the conversations with each citizen and the amount written information that was distributed.

BMP EFFECTIVENESS -

- **Review of BMP:** Overall, around 30 people decided to stop and have discussions with the MS4 Coordinator.   All conversations were considered a positive value to the program. Based on these conversations among, people do care about the health of our local waterways. However, not many knew where to report any stormwater pollution or the existence of the MS4 Program in general.
- **Program Plan Revisions:** The MS4 Coordinator will continue to have a dedicated booth just like this year's event.

2.5 BMP: LITTER CONTROL PROGRAM

- **General Information**: The litter control program is a community service program run by the Commonwealth's Attorney's Office. Participants include first-time offenders as well as volunteers.
- **Objective and Expected Results**: The program educates participants and the general public about the negative consequences of littering, including environmental damage and the "bandwagon effect" (where littering becomes more likely in a littered environment).
- **Implementation Schedule**: The County implemented this program in 2018, and will continue to run the program.
- **Method to Determine Effectiveness**: The program's effectiveness can be measured by the amount of litter picked up.

BMP EFFECTIVENESS

- **Review of BMP:** Over 43,000 pounds of trash was collected from roadside clean-ups throughout the year.
- **Program Plan Revisions:** The MS4 Program will have a more direct involvement with the program throughout the permit cycle.

2.6 BMP: WATERSHED EDUCATION: EROSION AND POLLUTION

- **General Information, Objective, and Expected Results:** As part of their Public Outreach requirements, Augusta Water visits local elementary schools to educate students on such topics as: The water treatment process, the Chesapeake Bay Watershed, the water cycle, and water pollution. With this education students have a better understanding of where their drinking water comes from and how to become better environmental stewards.
- **Implementation Schedule**: This collaborative effort will happen throughout the permit year.
- **Method to Determine Effectiveness**: Effectiveness will be determined by the total number of students reached.

BMP EFFECTIVENESS

- **Program Plan Revisions:** The MS4 Program will have more of a direct involvement with such events next permit year. Augusta Water will be presenting at Riverheads Middle School this fall and the MS4 Coordinator will be joining to discuss Illicit Discharges and Pet Waste.

2.5 BMP: MS4 WEBPAGE

- **General Information**: A new online "Citizen Illicit Discharge Report" has been launched on the MS4 Webpage, in an effort increase the calls and encourage the Public to practice vigilance. Besides educational information and community service opportunities, the Webpage displays the MS4 Program Plans and Annual Reports. The Public is given the opportunity to read and make comments on the TMDL Action Plan and Annual Report.
- **Objective and Expected Results**: The MS4 Coordinator now has direct control over the MS4 Webpage as well as other areas of the Stormwater Pages. The webpage will be used often throughout the permit cycle for posting educational material.
- **Implementation Schedule**: With this new role as Content Manager for these pages, the coordinator will continually update and maintain the information published onto the county website.
- **Method to Determine Effectiveness**: Effectiveness will be determined by the total number of hits the page receives and online reports received by the MS4 Coordinator

BMP EFFECTIVENESS

- **Review of BMP:** Due to website analytics issue, all historic webpage data including website traffic has been lost. No online reports were submitted.
- **Program Plan Revisions:** The new MS4 Program Manager was bestowed the role of Content Manager for the MS4 Webpage. The MS4 Program has begun to have more of a presence on social media and will continue next permit year to amplify

Public Comments & Stormwater Complaints

- No comments were made during the reporting period concerning the MS4 Program. Besides drainage and flooding, no stormwater complaints were reported. With the continued education efforts, the program hopes and expects both of these to change next permit year.

2.6 BMP: COLLABORATION WITH OTHER MS4 PERMIT HOLDERS

- **General Information:** Local MS4 Permit Holders include VDOT, City of Staunton, City of Waynesboro. These three connected MS4 permit holders have received formal letters of interconnections. Broader reaching members include Town of Bridgewater, City of Harrisonburg, and James Madison University. Augusta County is part of the Central Shenandoah Stormwater Network and attend a quarterly meeting to discuss the MS4 programs, VSMP, and share ideas and possible project cooperation or funding opportunities.
- **Objective and Expected Results** These connections and communications will help strengthen the program along with assist with planning and implementation of projects and ideas to better the MS4 and our environment.
- **Implementation Schedule**: The County will continue to participate in meetings and projects. The County continues to play an active role in meetings hosted for Stormwater issues by the CSPDC.

3. ILLICIT DISCHARGE DETECTION AND ELIMINATION

MCM 3 - PROGRAM DESCRIPTION

Augusta County defines an Illicit Discharge as follows: An "illicit discharge" is the direct OR indirect release of non-stormwater substances into the storm sewer system or conveyance system.

Through yearly monitoring and the advertisement of the IDDE System and its respective ordinances, the MS4 Program hopes to eliminate and even more importantly, prevent pollutants from entering the storm sewer network.

3.1 BMP: IDDE DETECTION PROGRAM

- **General Information**: Augusta County will continue to develop and refine the Illicit Discharge Detection and Elimination Program. Dry weather screening will include: Developing a screening schedule, performing a minimum 50 dry-weather screenings per year, methodologies for sampling and last rain, quantity of rain, visual observations, etc., methodologies to determine the source of illicit discharges, mechanisms to eliminate illicit

discharges, including procedures for legal action, methods for follow up, methods for application to track all investigations and schedule follow-up inspections. The County will prohibit non-stormwater discharges into the storm sewer system through the adopted ordinance.

- **Objective and Expected Results**: To successfully implement an illicit discharge detection and elimination program that focuses on detect, identify, and addressing illicit discharges into the regulated MS4.
- **Implementation Schedule**: The County will continue the IDDE program in accordance with the adopted ordinance for the full permit cycle.
- **Method to Determine Effectiveness**: Effectiveness will be determined by track the number of illicit discharges detected and enforcement actions. The annual report will include these numbers.

BMP EFFECTIVENESS

- **Review of BMP:** Due to a culmination of staff changes, staff training, and lack of dry-weather within that timeframe, the illicit discharge quota was not met. Since no inspections were performed, no illicit discharges were discovered. Furthermore, no illicit discharge complaints were called into the MS4 Program Administrator.
- **Program Plan Revisions:** Dry-inspections will be made during the autumn and winter. An area has already been chosen and maps have been printed. With the education efforts, the Program expects more illicit discharge calls to be made or reported on the new online reporting page.

3.2   BMP: MS4 MAPPING OF STORMWATER NETWORK

- **General Information:** The County will continue to maintain a GIS map with a corresponding database that contains the locations and attributes of the storm sewer system and MS4 outfalls that the County is responsible. The GIS map will have unique IDs assigned for outfalls with the corresponding HUC and receiving waters, natural streams, structural stormwater BMPs type and location, and storm sewer type and size.
- **Objective and Expected Results:** The storm sewer mapping will be a critical element of the IDDE and stormwater facility maintenance programs. Accurate and up to date mapping will be necessary for these programs to succeed.
- **Implementation Schedule**: The County will continue to maintain the storm sewer mapping throughout the duration of the permit cycle.
- **Method to Determine Effectiveness**: The County will track the number of storm structures mapped.

BMP EFFECTIVENESS

- **Review of BMP:** The MS4 map and information table are up-to-date and were submitted to the Department of Environmental Quality.
- **Program Plan Revisions:** No Program Plan changes are needed at this time.

4. CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

MCM – 4 PROGRAM DESCRIPTION

All construction sites within Augusta County are inspected for site runoff with two separate, yet parallel programs Erosion & Sediment Control (ESC) and Virginia Stormwater Management Program (VSMP). The staff consists of a dedicated Environmental Inspector and an Administrator/Plan Reviewer.

4.1 BMP: EROSION AND SEDIMENT CONTROL PROGRAM (VESCP)

- **General Information**: Augusta County's Erosion and Sediment Control Program deals with erosion resulting from (water) raindrop impact on un-stabilized soil, primarily during the development process. The County's erosion and sediment control program focuses primarily on construction activities. Erosion resulting from these activities can be 200 times greater than the amount of erosion generated from cropland and 2,000 times greater than that naturally occurring in woodlands. Land-disturbing activity in Augusta County is defined as any clearing (including removal of trees), grading, excavating, transporting or filling of land or any other activity that removes vegetation, root mat or topsoil that may result in soil erosion from water or wind and the movement of sediments. In Augusta County, land-disturbing activities equal to or exceeding 10,000 square feet in area require an approved erosion and sediment control plan.
- **Objective and Expected Results**: The VESCP is in place to prevent adverse impacts from erosion and sedimentation from all construction sites.
- **Implementation Schedule**: The County will continue to implement the program throughout the permit cycle.
- **Method to Determine Effectiveness**: A number of parameters will be tracked pertaining to the VESCP including; number of land disturbing activities, acres of land disturbed, number of inspections, and enforcement actions.

BMP EFFECTIVENESS

- **Review of BMP:** To meet State Code, information regarding the VESCP inspections has been summarized in 4.2 BMP VSMP. Website updated with plan review and E&S control check list: https://www.co.augusta.va.us/government/departments-and-offices/community-development/engineering/erosion-and-sediment-control

4.2 BMP: VIRGINIA STORMWATER MANAGEMENT PROGRAM (VSMP)

- **General Information:** Augusta County has established a local Virginia Stormwater Management Program (VSMP) for land-disturbing activities and has adopted the applicable Regulations that specify standards and specifications for VSMPs promulgated by the state board, pursuant to §62.1-44.15:27 of the Code of Virginia, unless otherwise authorized by the State. The implementation of its local VSMP will further establish plan review, inspection, compliance, and enforcement procedures for construction site stormwater runoff control. The County's environmental ordinance was approved by the County's Board

of Supervisors on May 28, 2014 and the Department of Environmental Quality on June 19, 2014 (Attachment 4.2).

- **Objective and Expected Results**: The VSMP is in place to prevent adverse impacts of urban stormwater runoff.
- **Implementation Schedule**: The County will continue to implement the program throughout the permit cycle.
- **Method to Determine Effectiveness**: The County will continue to improve the stormwater program and evaluate existing documents to assist the development community.

BMP EFFECTIVENESS

- **Review of BMP:** All land disturbing projects that occurred during the 2024-25 reporting period were conducted in accordance with the current department approved standards and specification for erosion and sediment control. During the 2024-25 reporting period 422 land disturbing activity inspections were conducted inside the MS4 area. 11 notice to complies were issued. The new projects below are solely within the MS4.

New Projects	New Projects Acreage	Number of Inspections	N. to C.	Stop work
4	113.39	422	11	0

- **Program Plan Revisions:** No updates for the MS4 side of requirements.

5. POST-CONSTRUCTION STORMWATER MANAGEMENT

MCM 5 - PROGRAM DESCRIPTION

In order to treat runoff for both water quality and water quantity for construction sites, structural Stormwater Management facilities (SWMs) are built. Retention ponds, detention ponds, and bio-retentions are just a few examples of such structures. SWMs that are constructed with the intent of remaining permanently shall be inspected and maintained in perpetuity.

5.1 BMP: TRACK PERMANENT STORMWATER MANAGEMENT FACILITIES

- **General Information**: Augusta County will track all known permanent SWM facilities that discharge within the regulated MS4 boundaries**.** 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 will be used to track BMP inspections and maintenance to ensure that all SWMs are functioning properly and as designed.
- **Implementation Schedule**: The SWM/BMP database will be maintained throughout the permit cycle.
- **Method to Determine Effectiveness**: The County will include any updates or changes to the BMP database in the annual report.

BMP EFFECTIVENESS

- **Review of BMP:** A total of six "discovered" BMPs within the MS4 have been brought online via the BMP Warehouse reporting.
- **Program Plan Revisions:** Program Plan changes are not needed at this time

5.2 BMP: STRUCTURAL BMP INSPECTION

- **General Information**: Augusta County will inspect all known permanent SWM facilities that discharge within the regulated MS4 boundaries**.** 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**: By continuing the BMP inspection program the County will ensure BMPs are performing optimally and achieving design pollutant reduction.
- **Implementation Schedule**: The BMP inspection program will be ongoing throughout the permit cycle.
- **Method to Determine Effectiveness**: The County will track the total number of BMP inspections performed both privately and publicly owned.

- **Review of BMP**

Ownership	No. of BMPs Inspected	BMPs within MS4	Enforcement Actions
Private	26	13	8
Public	3	1	0

- **Program Plan Revisions:** While the numbers above reflect the total BMPS. The number of reportable inspections for the *BMP Warehouse* are as follows: 9 BMPs brought "online".   11 inspected, 2 publicly owned and 9 privately-owned.

5.3 BMP: STRUCTURAL BMP MAINTENANCE

- **General Information**: Augusta County will continue maintenance on all County owned BMPs and the requirement of maintenance agreements for new privately owned BMPs.
- **Objective and Expected Results**: By continuing the BMP maintenance program the County will ensure BMPs are performing optimally and are minimizing adverse impacts to state waters.
- **Implementation Schedule**: The BMP maintenance will be ongoing throughout the permit cycle.
- **Method to Determine Effectiveness**: The County will track to the number of new BMP agreements

BMP EFFECTIVENESS

- **Review of BMP:** All privately and publicly owned facilities are on track.
- **Program Plan Revisions:** Program Plan changes are not needed at this time

5.4 BMP: SWCGP AND BMP WAREHOUSE DATABASES

- *Confirmation Statement*: All BMPs are entered into the CWGCP database as permits are being terminated. All appropriate BMPs are entered into the BMP Warehouse that have been inspected and discovered.

5.5 BMP: STORMWATER MANAGEMENT FACILITIES OWNED & OPERATED BY THE COUNTY

- *County Owned SWMs*: There were no significant maintenance/repairs, or retrofits on SWMs owned and operated by Augusta County.

6. POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

MCM 6 - PROGRAM DESCRIPTION

Pollution Prevention & Good Housekeeping ensures the County is running its facilities in a way to reduce Stormwater Pollution. Staff Training and Stormwater Pollution Prevention Plans (SWPPPs) are ways to hold the county accountable to meet its own standards.

6.1 BMP: COUNTY OWNED LAND IDENTIFIED NEEDING SWPPPS

- **General Information:** The County will determine which municipal properties fall within the County's regulated MS4 boundary, and identify which of those properties may require Stormwater Pollution Prevention Plans (SWPPPs) based on their high priority or high potential to discharge pollutants.
- **Objective and Expected Results**: These documents provide written guidance for daily operations at each facility to prevent and reduce pollutant runoff from the identified municipal operations.
- **Implementation Schedule**: All facilities owned and operated by the County will be assessed on a yearly basis as to whether or not they are considered "high priority facilities". If deemed a "high priority facility", a SWPPP will be developed for each specific site. The SWPPPs will be kept in the office of the MS4 Coordinator and will be updated as needed.

BMP EFFECTIVENESS
- **Review of BMP:**
  - NEW SWPPP DEVELOPMENT: A SWPPP has been developed by the MS4 Coordinator for the Government Center.
  - SWPPP MODIFICATIONS: SWPPP modifications will be made as necessary.
  - No high priority facilities were de-listed this permit year.
- **Program Plan Revisions:** Program Plan changes not needed at this time.

6.2 BMP: COUNTY OWNED LAND WITH NMPS

- **General Information:** The County will determine which municipal properties fall within the County's regulated MS4 boundary, and identify which of those properties may require Nutrient Management Plans (NMP).
- **Objective and Expected Results**: The NMPs define the amount, source, placement, form, and, timing of the application of nutrients and soil amendments to ensure optimal management.
- **Implementation Schedule**: The NMP be implemented at each applicable location.

- **Method to Determine Effectiveness**: The NMP are tailored to each location, effectiveness will be determined by the number of active plans.

BMP EFFECTIVENESS

- **NEW NMP**: No new facilities were added.
- **Review of NMP:** Nutrient Management plans are being updated in accordance with the new regulation. This has caused a delay in the recertification due to availability. Locations that required facilities within the MS4.
  - Berry Farm and Mill Place; 38.205126, -79.038869 :38.191615, -79.000883; 107 acres: 193 acres. Status: Approved.
- **Program Plan Revisions:** Program Plan are being updated, changed will be made as needed.

6.3 BMP: POLLUTION PREVENTION TRAINING

- **General Information:** The County will help provide training to all appropriate municipal employees to meet the illicit discharge requirements set forth by the MS4. This training can be met by use of regional training programs along with the Counties existing program. Training may cover recognition and reporting of illicit discharges, good housekeeping and pollution prevention practices applicable to road, street, parking lot maintenance, working in public works facilities, recreational facilities.
- **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. This serves as MS4 and VEEP training.
- **Method to Determine Effectiveness**: The County will track the number of personnel trainings and participants annually.

Department	Personnel	Date	Objective/Class
Fire Department	26	Jan 2024, Sep 2024, Mar 2025	Hazardous Waste
Maintenance Department	20	Apr 2025	OSHA

BMP EFFECTIVENESS

- **Review of BMP:** All county staff that handle SWPPPs, perform inspections, or review plans have kept up with continuing education in order to keep their certifications up to date.   Due to staff-changes, pollution prevention training was not met, but plans are in place.
- **Program Revisions:** A lunch & learn is planned with applicable County staff concerning "Anti-Icing and De-Icing Agents". This will unroll in late fall to winter when it is more applicable. There will also be some Public Education disseminated during this time for the citizens of Augusta County.

Standard Operating Procedures

- No SOPs were modified or developed this permit year.

7.0 BMP: OTHER TMDL

7.1 BMP: WASTELOAD ALLOCATIONS

- Augusta County does not have waste load allocations associated with local TMDL's.

8. SIGNED CERTIFICATION

Certification Statement for Augusta County's MS4 Program Plan and MS4 Annual Report for July 1, 2024 through June 30, 2025.

"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."

Signature: _____

Printed Name: Timothy Fitzgerald, County Administrator

Date: _____

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Standard Operating Procedures

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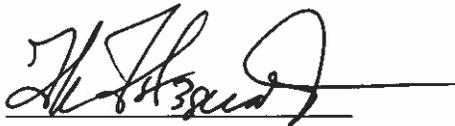
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Signature:

Printed Name: Timothy Fitzgerald, County Administrator

Date: 9-25-25