



DIVISION OF
ENVIRONMENTAL MANAGEMENT
WATER QUALITY | SOLID WASTE | ENGINEERING SERVICES
STORMWATER & WATERSHED SERVICES

October 29, 2020

Ms. Deborah Cappuccitti
Senior Regulatory Compliance Engineer
Maryland Department of the Environment, Water and Science Administration
Sediment, Stormwater, and Dam Safety Program
1800 Washington Blvd, Suite 440
Baltimore, MD 21230-1708

Re: General Permit No. 13-IM-5500
General NPDES No. MDR 0555500
2020 Municipal Small MS4 Progress Report Year 2

Dear Ms. Cappuccitti,

Washington County's Division of Environmental Management is pleased to provide to you the attached:

***2020 Washington County Maryland, NPDES Municipal Small MS4 Progress for Year 2 Report
For General Permit No. 13-IM-5500***

The Year 2 submission is in the format as required by the MS4 Permit and contains the completed forms from Appendix D, an updated Impervious Area Restoration Work Plan, and updated Restoration Activity Schedule. In addition to Appendix D, supporting information is provided and organized in folders for each Minimum Control Measure.

We have also addressed comments made in MDE's review of our 2019 Year 1 Progress Report. Comments pertaining to MDE's review are included in a separate document.

In addition, to the MS4 Progress Year 2 Progress Report, we are submitting the Washington County IDDE Manual and the Washington County IDDE Field Investigation Guide (SOP) for review and approval by MDE.

All information provided has been reviewed for accuracy and is based on the best available information at the time of compilation. It is understood that the information is dynamic and subject to change and that the goal is total compliance with MS4 permit requirements by the end of the permit term.

Should you require further information, or have any questions or comments, please contact me directly at 240.313.2611 (email jswauger@washco-md.net).

Respectfully,

John W. Swauger, Jr.
Stormwater Management/NPDES Coordinator

Attachments (Link: https://washcomd-my.sharepoint.com/:f/g/personal/jswauger_washco-md_net/En3q0lToMnpKoz5xoBK_KC0B_QuLftbSlUq8U5RoOdDr3Q?e=SE08wu)

16232 Elliott Parkway | Williamsport, MD 21795-4083 | P: 240.313.2600 | F: 240.313.2601 | Hearing Impaired: 7-1-1

WWW.WASHCO-MD.NET

APPENDIX D

Municipal Small MS4 Progress Report

For

Washington County, Maryland

NPDES Annual Report

General Discharge Permit No. 13-IM-5500

General NPDES No. MDR055500

Municipal Small MS4

Progress Report

Year 2

October 29, 2020

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Maryland Department of the Environment (MDE)

**National Pollutant Discharge Elimination System (NPDES)
Small Municipal Separate Storm Sewer Systems (MS4) General Permit**

This Progress Report is required for those jurisdictions covered under General Discharge Permit No. 13-IM-5500. Progress Reports must be submitted to:

Maryland Department of the Environment, Water and Science Administration
Sediment, Stormwater, and Dam Safety Program
1800 Washington Boulevard, Suite 440, Baltimore, MD 21230-1708
Phone: 410-537-3543 FAX: 410-537-3553
Web Site: www.mde.maryland.gov

Contact Information

Permittee Name:	Washington County Maryland
Responsible Personnel:	Mark Bradshaw
Mailing Address:	16232 Elliott Parkway Williamsport, MD 21975
Phone Number(s):	240-313-2600
Email address:	mbradshaw@washco-md.net
Additional Contact(s):	John W. Swauger, Jr.
Mailing Address:	16232 Elliott Parkway
Phone Number(s):	240-313-2611
Email address:	jswauger@washco-md.net

Signature of Responsible Personnel

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.

Mark Bradshaw		10/28/2020
Printed Name	Signature	Date

Reporting Period (State Fiscal Year):

2020

Due Date:

10/31/2020

Date of Submission:

10/29/2020

Type of Report Submitted:

Impervious Area Restoration Progress Report (Annual):

Six Minimum Control Measures Progress (Years 2 and 4):

Both:

Permittee Information:

Renewal Permittee:

New Permittee:

Compliance with Reporting Requirements

Part VI of the Small MS4 General Discharge Permit (No. 13-IM-5500) specifies the reporting information that must be submitted to MDE to demonstrate compliance with permit conditions. The specific information required in this MS4 Progress Report includes:

1. Annual: Progress toward compliance with impervious area restoration requirements in accordance with Part V of the general permit. All requested information and supporting documentation must be submitted as specified in Section I of the Progress Report.
2. Years 2 and 4: Progress toward compliance with the six minimum control measures in accordance with Part IV of the general permit. All requested information and supporting documentation shall be reported as specified in Section II of the Progress Report. MDE may request more frequent reporting and/or a final report in year 5 if additional information is needed to demonstrate compliance with the permit.

Instructions for Completing Appendix D Reporting Forms

The reporting forms provided in Appendix D allow the user to electronically fill in answers to questions. Users may enter quantifiable information (e.g., number of outfalls inspected) in text boxes. When a more descriptive explanation is requested, the reporting forms will expand as the user types to allow as much information needed to fully answer the question. The permittee must indicate in the forms when attachments are included to provide sufficient information required in the MS4 Progress Report.

Section I: Impervious Area Restoration Reporting Form

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Section I: Impervious Area Restoration Reporting

1. a. Was the impervious area baseline assessment submitted in year 1?

Yes No

b. If No, describe the status of completing the required information and provide a date at which all information required by MDE will be submitted:

c. Has the baseline been adjusted since the previous reporting year?

Yes No

2. Complete the information below based on the most recent data:

Total impervious acres of jurisdiction covered under this permit:

Total impervious acres treated by stormwater water quality best management practices (BMPs):

Total impervious acres treated by BMPs providing partial water quality treatment (multiply acres treated by percent of water quality provided):

Total impervious acres treated by nonstructural practices (i.e., rooftop disconnections, non-rooftop disconnections, or vegetated swales):

Total impervious acres untreated in the jurisdiction:

Twenty percent of this total area (this is the restoration requirement):

Verify that all impervious area draining to BMPs with missing inspection records is not considered treated. Describe how this information was incorporated into the overall analysis:

Washington County staff continues to update the baseline assessment with the best information available. Staff will continue to update the baseline information throughout the permit term.

Washington County uses GIS to identify areas in the county that meet the following conditions; within the boundary of the 2010 census urbanized area, is outside the boundary of incorporated towns with MS4 Permits (excluding areas owned by Washington County Public Schools which is the County's responsibility), is outside of parcels on which industrial permitted operations exist, and is outside of land owned by the State of Maryland or the Federal Government. The resulting region was used to identify areas in the impervious surface that Washington County is responsible to restore as part of the Chesapeake Bay Restoration.

Section I: Impervious Area Restoration Reporting

2. Has an Impervious Area Restoration Work Plan been developed and submitted to MDE in accordance with Part V.B, Table 1 of the permit or other format?

Yes No

Has MDE approved the work plan?

Yes No

If the answer to either question is No, describe the status of submitting (or resubmitting) the work plan to MDE and provide a date at which all outstanding information will be available:

Describe progress made toward restoration planning, design, and construction efforts and describe adaptive management strategies necessary to meet restoration requirements by the end of the permit term:

Washington County has completed a Baseline Impervious Area Assessment. Based upon the assessment, a restoration requirement of twenty percent (.20) was calculated. Washington County will continue to update and refine the Baseline Impervious Assessment during the permit term and will continue to analyze areas where BMPs can be implemented. During review of the previously submitted Restoration Work Plan, a calculation error was discovered for the Annual Street Sweeping and Septic Pumping credits. The correction of the credits has caused a deficiency in the total acres treated. Washington County will continue to analyze/develop protentional projects with the intent to meet the restoration goal. Proposed projects are subject to approval by Board of County Commissioners and budgetary constraints.

3. Has a Restoration Schedule been completed and submitted to MDE in accordance with Part V.B, Table 2 of the permit?

Yes No

In year 5, has a complete restoration schedule been submitted including a complete list of projects and implementation dates for all BMPs needed to meet the twenty percent restoration requirement?

Yes No

Are the projected implementation years for completion of all BMPs no later than 2025?

Yes No

Describe actions planned to provide a complete list of projects in order to achieve compliance by the end of the permit term:

Section I: Impervious Area Restoration Reporting

Washington County has submitted a restoration schedule based on completed and proposed projects within the County. County Staff continues to evaluate all county owned property for opportunities/projects for water quality improvement and or impervious reduction, in order to be compliant with the permit. The County will continue to analyze areas for restoration and will update the Restoration Schedule accordingly.

Describe the progress of restoration efforts (attach examples and photos of proposed or completed projects when available):

Completed in FY 2020 Chestnut Grove 48" pipe and box culvert outfall stabilization, Marsh Pike Sidewalk Project included restoration of existing impervious, Heisterboro Road Dry Wells treatment of existing impervious, Catch Basin cleaning of 64 inlets.

4. Has the BMP database been submitted to MDE in Microsoft Excel format in accordance with Appendix B, Tables B.1.a, b, and c?

Yes No

Is the database complete?

Yes No

If either answer is No, describe efforts underway to complete all data fields, and a date that MDE will receive the required information:

The database is included with this submission. Only those BMPs that are considered in Normal Operating Condition and have had passing Triennial Inspections are included. Washington County intends to continue to update the database to ensure all necessary fields are complete. The database validation will be conducted via research of archived drainage studies and site plans or when plans are unavailable, the County will complete drainage calculations and inspections for the BMPs as needed.

5. Provide a summary of impervious area restoration activities planned for the next reporting cycle (attach additional information if necessary):

Washington County's Division of Environmental Management, the Division of Engineering, and the Division of Public Works will continue to analyze areas within the County to plan and develop restoration activities as part of the Capital Improvement Program.

The Division of Environmental Management plans to continuing development of a Septic Outreach Program to educate the public on proper maintenance of septic systems within Washington County.

Washington County will continue to partner with other county agencies to continue Tree Plantings in the County.

Section I: Impervious Area Restoration Reporting

6. Describe coordination efforts with other agencies regarding the implementation of impervious area restoration activities:

Washington County completed and executed Memorandum of Understandings (MOUs) with the Towns of Boonsboro, Smithsburg, and Williamsport. Copies of the MOUs have been previously provided to MDE.

Washington County continues to collaborate with local watershed groups, the Board of Education and other County agencies in assessing tree planting opportunities and impervious restoration projects on publicly owned property.

7. List total cost of developing and implementing the impervious area restoration program during the permit term:

Estimated cost is approximately 17 million dollars based off previous project costs and proposed estimated amounts. Available moneys will ultimately be determined by Washington County's Operating and CIP budgets and are subject to approval by the Washington County Board of County Commissioners. Some efforts and costs are born by developers and outside agencies and therefore not easily obtainable. Washington County will revise the cost of developing and implementing the program as necessary as information becomes available.

Section II: Minimum Control Measures Reporting Forms

MCM #1: Public Education and Outreach

1. Does the permittee maintain a process and phone number for the public to report water quality complaints?

Yes No

Number of complaints received:

Describe the actions taken to address the complaints:

Washington County implemented the means of accepting public complaints regarding water quality complaints and/or illicit discharges to stormwater in Washington County thru the "Hotline". Phone calls are taken via the Division of Environmental Management main phone number during normal working hours. After hour complaints are taken via voicemail which are immediately sent to County staff through the email system. The County also employs a Complaint Form on the NPDES/MS4 website. The complaint form once submitted is emailed directly to county staff.

There were three (3) complaints reported using the "Hotline" and the County's website complaint form.

In each case an IDDE Investigation Reporting Form was completed. Field visits were made by a county staff member and a follow up document was completed. (See attached investigation documents.) The County has prepared a draft SOP for the IDDE program and will be submitting it with this annual report. The SOP provides guidance and procedures for the investigation of water quality complaints.

2. Describe training to employees to reduce pollutants to the MS4:

Washington County has purchased two video training programs produced by Excal Visual. The "Rain Check "check training focuses on Pollution Prevention and Good Housekeeping. The "IDDE- A Grate Concern" training focuses on Illicit Discharge Detection awareness. Both programs require a passing score on the tests provided with the training documentation. (See attached test examples)

<https://www.excalvisual.com/stormwater-training>

3. Describe the target audience(s) within the jurisdiction:

In the Spring of 2019, Washington County conducted a month long, internet based "Citizens Stormwater and Watershed Survey. Unfortunately, only 73 citizens participated in the survey. However, information from the survey indicated that the majority of the audience are concerned about water pollution in Washington County. Sixty-one percent of the audience indicated that they are interested in Stream Clean Up, Roadside Clean Up and Tree Planting. (See attached survey results)

4. Are examples of educational/training materials attached with this report?
 Yes No

Provide the number and type of educational materials distributed:
Describe how the public outreach program is appropriate for the target audience(s):

*Washington County participates annually in the following events; the Washington County Home Builders Home Show, the Boonsboro Green Fest, and the Hagerstown Airport Wings and Wheels. These are the three largest crowd draws in Washington County which allows for personal contact between count staff and residents. Number of educational materials provided are as follows: **2019 Home Show (March 9 & 10, 2019)**– 400 Wildflower Seed Packets, 450 Dog Waste Dispensers, 260 Entrees for Rain Barrel giveaway, and approximately 220 educational postcards on Pet Waste, Rain Barrels, Recycling and Composting. The Clean County Street Sweeper on Display. **2019 Green Fest (May 18, 2019)** Informational post cards for Pet Waste, Rain barrels, Raingardens, Handouts provided to attendees: Pest Waste Dispensers (300 ea.), Wildflower Seed Packets (325 ea.), Marew’s Stormwater Adventure (Children’s Book) (90 ea.). Rain barrel give away tickets (200 ea.)*

***2019 Wings and Wheels (September 7, 2019)** -Pest Waste Dispensers (150 ea.) Wildflower Seed Packets (175 ea.) Informational post cards on Pet Waste, Rain Barrels, Recycling, Composting (100 total). The Clean County Street Sweeper was on Display.*

***2020 Home Show (March 7 & 8, 2020)** 250 Wildflower Seed Packets, 300 Dog Waste Dispensers, 255 Entrees for Rain Barrel giveaway, and approximately 200 educational postcards on Pet Waste, Rain Barrels, Recycling and Composting.*

2020 Boonsboro Green Fest (Canceled due to COVID-19)

In an effort to be more environmentally friendly and to reduce waste, the County plans to decrease the amount of literature given out at events. Staff will encourage attendees to use the Stormwater and Watershed Services website and other websites to obtaining information regarding stormwater and stormwater pollution.

5. Describe how stormwater educational materials were distributed to the public (e.g., newsletters, website):

Washington County maintains both an Official County Webpage and a Facebook page through which the county continually provides educational material for users as well as providing links to Stormwater, Watershed, Stream Clean Up, Tree Planting, and other related links to the public. The County also provides handouts pertaining to; water quality, recycling, pet waste, rain gardens, and rain barrels. The Division of Environmental Management through its Solid Waste Recycling Coordinator and Watershed Specialist visit Washington County schools to discuss and provide literature regarding Recycling, Water Quality, Watersheds, and Stormwater Management to Washington County students.

<https://www.washco-md.net/environmental-management/>

6. Describe how educational programs facilitated efforts to reduce pollutants in stormwater runoff:

Washington County Board of Education's Science Program places emphasis on the environment and the human effect on our natural resources. (See BOE attachments)

The County's Watershed Specialist visits classrooms routinely throughout the year to encourage children to be more cognizant of the environment and their effects on Washington County's waterways.

The County's Recycling Coordinator visits classroom visits rooms to discuss recycling.

11/2018: Recycling presentation at Cascade Elementary - 54 Students

2/2019: Recycling presentation at Excel Youth in Hagerstown – 15 students

4/2019: Recycling presentation at Northern Middle School – 26 students

11/2019: Recycling presentation at Boonsboro Middle School – 28 students

5/2020: Recycling presentation for Old Forge Elementary School (online/Zoom)– 18 students

The Department of Solid Waste also conducts tours of Landfill Operations several times each year.

4/2019: Landfill tour for South Hagerstown High School – 17 students

3/2020: Landfill tour for HCC class – 6 participants

7. Provide a summary of the activities planned for the next reporting cycle:

Washington County will resume participation (providing the State lifts its COVID-19 restrictions) in the Washington County Homebuilders Annual Home Show, the Annual Boonsboro Green Fest, and Classroom Visits with Washington County Public Schools.

8. List the total cost of implementing this MCM over the permit term:

\$172,457.70

MCM #2: Public Involvement and Participation

1. Describe how the public involvement and participation program is appropriate for the target audience(s):

Washington County's Spring 2019 Citizens Stormwater and Watershed Survey indicated that sixty-one percent of the audience that participated in the survey, were interested in Stream Clean Up, Roadside Clean Up and Tree Planting. Washington County provides logistic support, public announcements, and staff resources to various stream clean up events and tree planting events. In addition, the County coordinates and provides support for various schools in the county where students complete the tree plantings.

Due to the COVID-19 restrictions, Washington County's Division of Environmental Management – Stormwater and Watersheds Services, hosted a live virtual tree planting on April 22, 2020 -Earth Day. The virtual tree planting allowed county residents to participate via Facebook while being guided by the County's Watershed Specialist in proper tree planting methods. The link to the virtual presentation is located at: <https://www.facebook.com/watch/?v=2996712350394208>

2. Quantify and report public involvement and participation efforts shown below where applicable.

Number of participants at public events:

Quantity of trash and debris removed at clean up events:

Number of employee volunteers participating in sponsored events:

Number of trees planted:

Length of stream cleaned (feet):

Number of storm drains stenciled:

Number of public notices published to facilitate public participation:

Number of public meetings organized:

Total number of attendees at all public meetings:

MCM #2: Public Involvement and Participation

Describe the agenda, items discussed, and collaboration efforts with interested parties for public meetings:

Washington County collaborates and supports the Antietam Conococheague Watershed Alliance (ACWA) with their public outreach meetings. ACWA is currently the primary driver for such meetings. The Division of Environmental Management will remain focused in support of all NGOs and their mission to clean streams, clean roadside areas, and tree plantings.

Describe how public comments have been incorporated into the permittee's MS4 program, including water quality improvement projects to address impervious area restoration requirements:

Describe any additional events and activities if applicable:

Sheriff's Department Prescription Drug Turn-In Events:

FY2019 -2800 gallons collected

FY2020- 1110 gallons collected

The Sheriff's Department Prescription Drug Turn-In program was the first of its kind in Washington County. The reduced number of gallons collected is attributed to multiple programs now operating within the county. Prescription drugs collected are destroyed through incineration to reduce the possibility of being introduced into stormwater and waterways. Information on the Prescription Drug Turn-In Program is available by request to the Washington County Sheriff's Department.

Grosh's Lawn Service Telephone Book Recycling Challenge (Collaboration with Washington County's Solid Waste Department -Recycling Program)

FY2019 – 4847 telephone books collected for recycling

FY202 – Canceled due to COVID-19

3. Provide a summary of activities planned for the next reporting cycle:

Plans are underway for a spring tree planting at several public-school properties and county owned properties. Depending on the COVID-19 restrictions at that time, the number of participants available to plant trees may be limited.

The County will also continue to promote and support the NGOs with stream clean up, roadside clean up and tree planting events.

4. List the total cost of implementing this MCM for the permit term:

\$229,943.60

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

1. Does the permittee maintain a map of the MS4 owned or operated by the permittee, including stormwater conveyances, outfalls, stormwater best management practices (BMPs), and waters of the U.S. receiving stormwater discharges?
 Yes No

If Yes, attach the map to this report and provide a progress update on any features that are still being mapped. If No, detail the current status of map development and provide an estimated date of submission to MDE:

2. Does the permittee have an ordinance, or other regulatory means, that prohibits illicit discharges?
 Yes No

If Yes, describe the means for enforcement utilized by the permittee (alternatively, a link may be provided to the permittee's webpage where this information is available). If No, describe the permittee's plan, including approximate time frame, to establish a regulatory means to prohibit illicit discharges:

Washington County has previously submitted a copy of the IDDE Ordinance to MDE. However, it is also available on the County website at: <https://www.washco-md.net/wp-content/uploads/ORD-2019-15.pdf>

3. Describe the process the permittee utilizes for gaining access to private property to investigate and eliminate illicit discharges:

Language contained in the IDDE Ordinance provides for access to private property for investigation and elimination of illicit discharges.

4. Did the permittee submit to MDE standard operating procedures (SOPs) in accordance with Part IV.C of the permit?
 Yes No

If No, provide a proposed date that SOPs will be submitted to MDE. MDE may require more frequent reports for delays in program development:

SOPs are being submitted with this annual report.

Did MDE approve the submitted SOPs?
 Yes No

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

If No, describe the status of requested SOP revisions and approximate date of resubmission for MDE approval:

5. Describe how the permittee prioritized screening locations in areas of high pollutant potential and identify the areas within which screenings were conducted during this reporting period:

Mapping of stormwater bmps and waterways was completed during the previous version (2003) of the MS4 permit. It was recognized that a shortfall existed with the mapping of outfalls and that the drainage system needed to be mapped. In 2016, the County began its first phase of mapping the MS4 storm drainage system (in the Urbanized Area) partnering with the Army Corp of Engineers. Several phases of mapping were required and on September 8, 2020, Washington County received the final phase post processed data from the Army Corp of Engineers. The county GIS department is in the process of incorporating the data into the County's GIS system. County staff will begin reviewing the storm drainage mapping to identify and locate outfalls within the Urbanized Area. The outfalls will be assigned identification numbers, point files of each outfall will be mapped, and outfalls will be screened as per the guidelines set forth in the County's MS4 Permit from the Maryland Department of Environment. It is anticipated that all outfalls will be identified by the end of Fiscal Year 21 (FY21) and outfall screenings will begin.

Staff is also developing a "Hotspot" map for possible screening of "high pollutant" potential areas and will begin screening of those areas in FY21.

6. Answers to the following questions must reflect this two-year reporting period.

How many outfalls are identified on the map?

How many outfalls were required to be screened for dry weather flows to meet the minimum numeric requirement (i.e., 20% of total outfalls, up to 100)?

How many outfalls were screened for dry weather flows?

Per the permittee's SOP, how frequently were outfalls required to be screened?

At what frequency were outfalls screened during the reporting period?

Washington County staff will complete review of storm drainage mapping to identify outfalls in FY21.

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

How many dry weather flows were observed?

0

If dry weather flows were observed, how many were determined to be illicit discharges?

0

Describe the investigation process to track and eliminate each suspected illicit discharge and report the status of resolution:

7. Describe maintenance or corrective actions undertaken during this reporting period to address erosion, debris buildup, sediment accumulation, or blockage problems:

30 filteras and 34 standard catch basins were cleaned in the Spring of 2020. Accumulated sediment and debris was removed from the catch basins and from the media of the filteras. The cleaning allowed for stormwater, the was by-passing filteras and catch basins, to be captured and treated as designed.

8. Is the permittee maintaining all IDDE inspection records and are they available to MDE during site inspections?

Yes No

9. If spills, illicit discharges, and illegal dumping occurred during this reporting period, describe the corrective actions taken, including enforcement activities, and indicate the status of resolution:

No spills, discharges, or dumping for this reporting period. Reports for, fuel, oil, and other hazardous materials which required the response of the Washington County Haz-Mat Team are available upon request to the Division of Emergency Services.

10. Attach to this report specific examples of educational materials distributed to the public related to illicit discharge reporting, illegal dumping, and spill prevention. If these are not available, describe plans to develop public education materials and submit examples with the next Progress Report:

Stormwater Management and Watershed Services staff will be collaborating with the Division of Public Relations to develop education material for distribution to the public. In addition, educational materials regarding "hotspot" activities will be developed and provided to those businesses/ activities which are considered high pollutant potential areas during FY 20 & 21.

11. Specify the number of employees trained in illicit discharge detection and spill prevention:

13

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

12. Provide examples of training materials. If not available, describe plans to develop employee training and submit examples with the next Progress Report:

Video training cannot be provided due to licensing agreements. Link to Excalvisual is <https://www.excalvisual.com/stormwater-training>

Please see attachments for example tests from the training and training log.

13. List the cost of implementing this MCM during this permit term:

\$114,971.80

MCM #4: Construction Site Stormwater Runoff Control

Erosion & Sediment Control Program Procedures, Ordinances, and Legal Authority

1. Does the permittee have an MDE approved ordinance?

Yes No

Has the permittee submitted modifications to MDE?

Yes No

Has the adopted ordinance been submitted to MDE?

Yes No

If No, is the adopted ordinance attached?

Yes No

Washington County Stormwater Management, Grading, Soil Erosion and Sediment Control Ordinance <https://www.washco-md.net/wp-content/uploads/legal-SWMOOrd.pdf>

2. Does the permittee rely on the County, local Soil Conservation District, or MDE to perform any or all requirements for an acceptable erosion and sediment control program? Yes No

If Yes, check all that apply:

Plan Review and Approval

Construction Inspections

Enforcement

3. Does the permittee have a process to ensure that all necessary permits for a proposed development have been obtained prior to issuance of a grading or building permit?

Yes No

Explain how the permittee ensures all permits are in place:

The Washington County Soil Conservation District (WCSCD) has an MOU with MDE regarding preconstruction meetings. The WCSCD performs preconstruction meetings during which they verify that the necessary NPDES permit has been issued. Upon successful completion of the pre-construction meeting the Washington County Construction Inspector will issue the grading permit for the project. Grading permits are not issued until successful completion of the pre-construction meeting.

MCM #4: Construction Site Stormwater Runoff Control

Erosion & Sediment Control Program Implementation Information

1. Does the permittee have a process for receiving, investigating, and resolving complaints from interested parties related to construction activities and erosion and sediment control?

Yes No

Describe the process:

Washington County has no delegated enforcement authority for Erosion, Sediment Control. If illicit construction activity is observed or the county receives a complaint regarding construction activity or erosion and sediment control an MDE Referral Service Request is set up and information is forwarded on to MDE for resolution. The Service Request is a tracking tool, intended to ensure complaint is forwarded on to MDE. The Service Request is closed out upon notification to MDE.

“See attached MDE Referral Service Request”

Provide a list of all complaints and summary of actions taken to resolve them:

2. Total number of active construction projects within the reporting period:

Provide a list of all construction projects and disturbed areas:

Please see attachment “Approved Grading Permits”

Does the permittee submit grading reports to MDE (only applies if the permittee has an MDE approved ordinance)?

Yes No N/A

3. Total number of violation notices issued related to this MCM within the permit area (report total number whether the permittee or another entity performs inspections):

Describe the status of enforcement activities:

Washington County has no delegated enforcement authority for Erosion, Sediment Control.

Describe how the permittee communicates and collaborates with the enforcement authority for violations within the permit area. Include measures taken by the

MCM #4: Construction Site Stormwater Runoff Control

permittee such as suspending or denying a building or grading permit in order to prevent the discharge of pollutants into the MS4:

Washington County's Division of Construction implemented an MDE Referral Service Request component to their Automation software. Upon receiving a complaint regarding Erosion and Sediment Control at a construction site, an MDE Referral Service Request is recorded and closed out upon proper notification to MDE. Washington County also works in collaboration with the Soil Conservation District by ensuring all projects have received necessary NPDES permits prior to issuance of a grading permit.

Are erosion and sediment control inspection records retained and available to MDE during field review of local programs?

Yes No

If No, explain:

Washington County has no delegated enforcement authority for Erosion, Sediment Control. Responsibility is with MDE.

4. Number of staff trained in MDE's Responsible Personnel Certification:

34

5. Describe the coordination efforts with other entities regarding the implementation of this MCM:

Washington County works in coordination with MDE and the Washington County Soil Conservation District on construction projects within the county to ensure projects are compliant with stormwater pollution prevention and erosion and sediment control requirements.

6. List the total cost of implementing this MCM over the permit term:

\$2,586,675.71

MCM #5: Post Construction Stormwater Management

Stormwater Management Program Procedures, Ordinances, and Legal Authority

Washington County Stormwater Management, Grading, Soil Erosion and Sediment Control Ordinance <https://www.washco-md.net/wp-content/uploads/legal-SWMOOrd.pdf>

1. Does the permittee have an MDE approved ordinance? Yes No
- Has the permittee submitted modifications to MDE? Yes No
- Has the adopted ordinance been submitted to MDE? Yes No
- If No, is the adopted ordinance attached? Yes No

2. Does the permittee have a memorandum of understanding (MOU) with the County to perform any or all requirements for an acceptable stormwater program?
 Yes No

If Yes, check all that apply:

- Plan Review and Approval
 First Year Post Construction Inspections
 As-Built Plan Approval
 Post Construction Triennial Inspections
 Enforcement
 BMP Tracking and Reporting

Stormwater Management Program Implementation Information

1. Has an Urban BMP database been submitted in accordance with the database structure in Appendix B, Tables B.1.a, b, and c as a Microsoft Excel file?
 Yes No

Describe the status of the database and efforts to complete all data fields:

Washington County continually makes every effort to ensure all data fields are complete. Periodically, records are retrieved from the archives in order to obtain missing data/information. This process will continue until all data fields are completed or it is determined that the information does not exist. At which time, an effort will be made to obtain the information as part of engineering review.

Reflects total Triennial Inspections between Oct. 31, 2018 to June 30, 2020.

2. Total number of triennial inspections performed:

MCM #5: Post Construction Stormwater Management

Total number of BMPs jurisdiction-wide:

Are inspections performed at least once every three years for all BMPs?

Yes No

If No, describe how the permittee will catch up on past inspections and remain on track to perform BMP inspections once every three years:

Are BMP inspection records retained and available to MDE during field review of local programs?

Yes No

3. Total number of violation notices issued:

Describe efforts to bring BMPs into compliance and the status of enforcement activities within the jurisdiction:

Washington County's, Division of Construction Inspectors send out a written correspondence to the BMP owner/operator for any BMP that is not in compliance. A list of deficiencies is provided with a deadline to bring the BMP in to compliance. The inspector will re-inspect the BMP when notified by the owner that the repairs/work is complete. If the owner does not notify the inspector of the completion of the repairs/work by the deadline, the inspector will reinspect at that time. If the BMP is found to be compliant, it will be noted in the database status field. If the BMP remains out of compliance a second more aggressive notice is sent to the owner. To date no punitive enforcement action has been needed.

4. Describe how the permittee coordinates and cooperates with the County to ensure stormwater BMPs are functioning according to approved standards. (Applicable for municipalities that rely on the County to perform stormwater triennial inspections):

5. Provide a summary of routine maintenance activities for all publicly owned BMPs:

Number of publicly owned BMPs:

Describe how often BMPs are maintained. Specify whether maintenance activities are more frequent for certain BMP types:

BMPs maintained by the Highway Department are visited approximately once every three weeks (weather dependent). BMPs maintained by the Parks and Facilities Department are maintained on a weekly basis (weather dependent). Routine maintenance consists of trash/debris removal, mowing, woody vegetation removal,

MCM #5: Post Construction Stormwater Management

fence repair, rodent removal, rip-rap repair and other minor issues as needed. Any structural repairs, if needed, are made with direction and/or guidance by a county engineer.

Are BMP maintenance checklists and procedures for publicly owned BMPs available to MDE during field review of local programs?

Yes No

Are BMP maintenance records retained and available to MDE during field review of local programs?

Yes No

If either answer is No, describe planned actions to implement maintenance checklists and procedures and provide formal documentation of these activities:

Washington County is currently working to develop a stormwater maintenance schedule for all BMP types, as well as a GIS application to allow for recording/tracking of all maintenance performed on publicly owned stormwater BMPs. It is anticipated to have a maintenance program in place by the end of FY2021

6. Number of staff trained in proper BMP design, performance, inspection, and routine maintenance:

7. Provide a summary of activities planned for the next reporting cycle:

Washington County will continue to work toward the goals of MCM #5 by updating BMP inventory database, triennial inspections of all BMPs, maintaining county owned BMPS, and training of staff in maintenance and inspections of BMPs.

8. List the total cost of implementing this MCM over the permit term:

\$635,652.85

MCM #6: Pollution Prevention and Good Housekeeping

1. Provide a list of topics covered during the last training session related to pollution prevention and good housekeeping, and attach to this report specific examples of training materials:

Washington County has purchased two video training programs produced by Excal Visual. The “Rain Check “check training focuses on Pollution Prevention and Good Housekeeping. The “IDDE: A Grate Concern” training focuses on Illicit Discharge Detection awareness. Both programs require a passing score on the tests provided with the training documentation.

Training Videos are available only through the county’s internal network. Please see attached questions from training videos.

List all training dates within this two-year reporting period:

See attached “Training Tracking Sheet”

Number of staff attended:

2. Are the good housekeeping plan and inspection records at each property retained and available to MDE during field review of the local program? Yes No

If No, explain:

Washington County has obtained a General Permit for Stormwater Discharges Associated with Industrial Activity for all facilities requiring such coverage. Please see attached Industrial Permit Coverage for County facilities.

Provide details of all discharges, releases, leaks, or spills that occurred in the past reporting period using the following format (attach additional sheets if necessary).

No Spills, Leaks, or Discharges Reported during the reporting cycle.

Property Name: _____ Date: _____

Describe observations:

Describe permittee’s response:

3. Quantify and report property management efforts as shown below, where applicable (attach additional sheets if necessary).

Number of miles swept:

MCM #6: Pollution Prevention and Good Housekeeping

Amount of debris collected from sweeping (indicate units):

If roads and streets are swept, describe the strategy the permittee has implemented to maximize efficiency and target high priority areas:

Street sweeping is prioritized to the 268 Centerline Miles within the Urbanized Area, and Industrial Park sites within the County.

Number of inlets cleaned:

Amount of debris collected from inlet cleaning (indicate units):

Describe how trash and hazardous waste materials are disposed of at permittee owned and operated property(ies), including debris collected from street sweeping and inlet cleaning:

All debris/material collected from street sweeping operations and inlet cleaning is taken to the 40 West Landfill. All load tickets are entered into an ArcGIS application for tracking and recording purposes.

Does the permittee have a current State of Maryland public agency permit to apply pesticides?

Yes No

If No, explain (e.g., contractor applies pesticides):

Does the permittee employ at least one individual certified in pesticide application?

Yes No

If Yes, list name(s):

Please see attached Pesticide Licenses for Washington County.

If the permittee applied pesticides during the reporting year, describe good housekeeping methods (e.g., integrated pest management, alternative materials/techniques):

Please see attached Pesticide Management Plan

If the permittee applied fertilizer during the reporting year, describe good housekeeping methods (e.g., application methods, chemical storage, native or low maintenance species, training):

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Please see attached application records for Black Rock Golf Course and Department of Agriculture reviews of the program.

If the permittee applied materials for snow and ice control during the reporting year, describe good housekeeping methods (e.g., pre-treatment, truck calibration and storage, salt domes):

Salt storage domes and/or indoor storage of salt is employed for all County facilities except for the Central Highways facility. Salt is only stored at the Central Highways facility from November to April and is covered with tarping and contained within a three walled containment structure. Funding is approved for a permanent covered and enclosed salt storage structure to be installed in 2021.

Describe good housekeeping BMP alternatives not listed above:

Washington County employs inmate crews Inmate Crews to conduct weedwhacker operations along guardrails and signs reducing the quantity of herbicides used to control weeds.

In collaboration with the Clean County Initiative, Inmate Crews, Public Works Crews, and Clean County Technicians collect trash/debris/tires from roadsides within the county.

In FY 2020, the County began tracking trash/debris and tires collected from roadsides and illegal dumping sites throughout the county. Amounts collected in FY2020 are as follows:

<i>Tires</i>	<i>26,300 lbs</i>
<i>Trash/Debris</i>	<i>81,640 lbs</i>

Ultimately this effort helps to prevent the pollution of stormwater and waterways in Washington County.

4. If applicable, provide a status update for permittee owned or operated properties regarding coverage under the Maryland General Permit for Stormwater Discharges Associated with Industrial Activity or an individual industrial surface water discharge permit:

Washington County has approved coverage for twelve (12) county owned facilities, four (4) of which have been designated as "Inactive & Unmanned". Washington County's Division of Environmental Management is currently planning to centralize management of inspection requirements for all county owned Industrial Permitted Facilities, to ensure compliance with permit requirements.

Please see attached Industrial Permit Coverage for County facilities.

MCM #6: Pollution Prevention and Good Housekeeping

5. List the total cost of implementing this MCM over the permit term:
\$1,050,175.20