

ST. MARY'S COUNTY
ANNUAL REPORT FY 2022

FOR

GENERAL DISCHARGE PERMIT NO. 13-IM-5500
GENERAL NPDES NO. MDR055500

October 31, 2022



NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
GENERAL PERMIT FOR DISCHARGES FROM
SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS

APPENDIX D

Municipal Small MS4 Progress Report

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:	St. Mary's County
Responsible Personnel:	James M. Gotsch, P.E., Director
Mailing Address:	St. Mary's County DPW&T, P.O. Box 508 California, MD 20619
Phone Number(s):	(301) 475-4200 ext. 73510
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Additional Contact(s):	Daniel J. Fogel, Senior Program Manager
Mailing Address:	St. Mary's County DPW&T, P.O. Box 508
Phone Number(s):	(301)475-4200 ext. 73536
Email address:	dan.fogel@stmaryscountymd.gov

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.

James M. Gotsch		10/31/2022
Printed Name	Signature	Date

Reporting Period (State Fiscal Year):

2022

Due Date:

10/31/2022

Date of Submission:

10/31/2022

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

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:

Only impervious area draining to functioning water quality BMPs with as-built plans or proper verification documentation was counted as treated. Impervious area draining to BMPs with missing documentation was included in the total untreated impervious acres in the jurisdiction.

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

MDE has approved the previous version of the Work Plan. A revision to the Work Plan is included with this submission as **Attachment "B"**.

Section I: Impervious Area Restoration Reporting

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:

N/A

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:

Documented restoration projects in the amount of 545.51 acres completed between January 2006 and October 2022 are calculated to provide enough treatment to meet St. Mary's County restoration goal. The County has an additional 53.7 acres of restoration credit from future shoreline management projects and 5.6 acres from a redevelopment project currently in the planning phase moving to construction. Once completed, these projects will bring the County's restoration credit to an estimated 604.81 acres. Although the County meets their goal, additional projects are being documented and completed to prepare the County for future restoration requirements.

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:

A complete list of projects is provided with the included Excel spreadsheet entitled "**Y4_RAS_SMC**". This list will be updated and documented with active projects on the schedule as supplemental restoration projects. However, the current list of projects exceeds the County's restoration goal, therefore no additional projects are required to meet the 2025 restoration deadline.

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

Restoration projects completed from January 2006 to October 2022 have surpassed the St. Mary's County restoration goal. See included below "Table.1 Restoration Activity Schedule" for project descriptions and treatment.

Section I: Impervious Area Restoration Reporting

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:

N/A

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

The County will continue documenting additional restoration projects from inception to completion according to State requirements. These type projects would consist of funded County capital improvement projects, County facility maintenance projects, and private development projects. The County has been working with outside environmental contractors trying to setup additional shoreline and stream restoration projects. These type nutrient removal and water quality credits would align shared goals that support the local watersheds and the MS4 permit objectives. The County will also continue maintenance efforts to restore failing or non-compliant BMPs to functioning condition.

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

St. Mary's County works with all local internal departments for example, Land Use and Growth Management (LUGM) with the Watershed Implementation Plan (WIP), and the Health Department on IDDE concerns and newly installed BAT systems. The County documents additional outfall projects by the Town of Leonardtown and the Soil Conservation District as information becomes available. The County also works with State agencies such as the Department of Natural Resources and Maryland Department of the Environment when opportunities come available. We coordinate with multiple organizations outside the federal, state, and local governments as well, for example University of Maryland Extension on implementing/documenting homeowner BMPs.

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

St. Mary's County expended an estimated \$4,149,823 toward implementing the restoration program at the end of year 4. This includes all completed restoration projects as well as efforts to document all completed projects.

The County expects to spend an estimated \$40,000.00 per year in continued project documentation, \$16,000 for completion of the conveyance/outfall mapping, \$138,000 in contract stormwater management inspection costs, and \$382,000 in salaries. Additionally, the County has \$1.52M dedicated to planned outfall stabilization and shoreline management projects.

Table.1 Restoration Activity Schedule						
Type of Restoration Project	BMP Code	Cost (\$K)	Impervious Acres Treated	Imperv Acre Target and Balance	Project Status	Year Completed
				425.02		
BAT conversion (septic denitrification)	SEPC		242.84	182.18	C	May 2007 - July 2022
Outfall stabilization	OUT		21.98	160.2	C	January 2006 – August 2021
Shoreline stabilization	SHST		126.16	34.04	C	January 2008 – November 2019
BMP redevelopment/ restoration	REDE		53.31	-19.27	C	January 2008 – July 2021
Dry pond retrofit to wet (WQ & NR Project)	PWET		99.04	-118.31	C	July 2019
Impervious removal	IMPP		2.18	-120.49	C	January 2015 - December 2016
Shoreline Stabilization (Piney Point Lighthouse Addition)	SHST	820	43.7	-164.19	P	January 2020-December 2025
Living Shoreline (Piney Point Rd)	SHST	372	10	-174.19	P	January 2021-December 2025
FDR Blvd Phase 3			5.6	-179.79	P	January 2023 – December 2025

*See attached report for a listing of individual projects with dates completed and exact locations.

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:

The County has in place a website and our 311 System for reporting water quality and suspected stormwater pollution complaints as well as the phone number for intake of concerns. Included with this submittal is a spread sheet that lists the complaints from the 311 System entitled **Attachment "C"** - Y4 2022 SMC 311 Reports - Suspected Stormwater Pollution. Of the complaints received via the 311 System or other means, it was determined after research, investigation, inspection, and a validation process that some fell under the IDDE category, others were forwarded to the appropriate local or state agencies for further review and enforcement and some were not confirmed. IDDE investigation example summaries of incident are included as **Attachment "D"** - Investigation Summary Form IDDE Examples.

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

Training for employees include material that cover approaches to lessen the amount of stormwater pollution by prevention methods. These methods are covered in and overlap with the good housekeeping training as well as the County's Stormwater Pollution Prevention Plans (SWPPP). These trainings include sediment discharge, waste management, hazardous & yard waste, chemicals, washing activities, material storage, disposal options, roadway maintenance, recycling & trash pickup, illicit discharges, spill prevention and best management practices for associated items. The best management practices cover a multiple of targeted activities and pollutants, along with key approaches for prevention, containment, maintenance, and standard practices.

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

Based on studies from previous years, the main target audience that the County focuses on with help from educators with the University of Maryland Extension are the residential residents or homeowners throughout the County. The County will continue to engage the community on the important role that they play. As well as expanding our educational outreach program to influence more commercial and industrial type land uses.

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):

Training Program are still under development and the County is always looking to identify additional efforts to be taken that will allow us to continue to grow our program. Educational materials have been created and circulated and are planned to be distributed using a couple different methods. For example, handouts at County planned events, County offices, mailed to residents, and distributed via a flyer box at the convenience centers and landfill. The total number of distributed materials is not quantified at this time but is in excess of 500 this year.

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

The County uses a couple of different methods for distributing stormwater educational materials. A public County website was created and continues to be maintained that contains informative materials. Other pamphlets/ handouts/ newsletters/ flyers can be found at County offices relating to stormwater management type information. Expanded materials and additional distribution channels are still under development. Each year at the St. Mary's County Fair, DPW&T speaks with the community and provides feedback and merchandise bags for both adults and children. These handouts included a variety of information regarding recycling & solid waste, eco-friendly kids educational coloring & activity books, stickers, soy crayons, water bottles, flashlights, and other items that included the DPW&T reference logo.

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

Through the University of Maryland Extension and the Watershed Stewards Academy educational information has helped to inform the public and therefore reduce pollutants that would make their way into stormwater runoff. Information and education are very powerful ways to enable a cause.

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

Once the new University of Maryland Extension, Watershed Restoration Educator is hired a meeting will be set up to see how the County can broaden its outreach to a larger group of people to promote training and education related to stormwater management topics. For example, arrange an outreach activity with the local 4-H Youth Development Educator to schedule a storm drain inlet tagging event focused on educating the children. Other partnering opportunities are also being researched. See **Attachment "E"**Y4 2022 SMC MCM 1-2 UME Annual Report for activities from the past year.

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

Accounting cost structure and resourcing is not tracked at this level for public education and outreach.

MCM #2: Public Involvement and Participation

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

The current program is appropriate for the target audience because it tries to focus on the public involvement and participation in the urbanized area. Where the most benefits are yielded and will have the most impact to the local watershed.

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

Number of participants at public events:

1642

Quantity of trash and debris removed at clean up events:

4 dumpsters

Number of employee volunteers participating in sponsored events:

11

Number of trees planted:

4036

Length of stream cleaned (feet):

300

Number of storm drains stenciled:

168

Number of public notices published to facilitate public participation:

7

Number of public meetings organized:

18

Total number of attendees at all public meetings:

200

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

Most of the public notices were either posted on the County's website or through Facebook and/or University of Maryland Extension's webpage.

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

No restoration projects are currently required. Even though public comments are not solicited on regulatory requirement activities. Public input is acquired by way of the County's capital improvement program during the public comment period. The County has also shown support for private partnership opportunities regarding stream and shoreline restoration projects. These type of restoration projects have shared goals for watershed nutrient removal and water quality components.

MCM #2: Public Involvement and Participation

Describe any additional events and activities if applicable:

The County continues to utilize its partnership with the University of Maryland Extension under their Sea Grant Extension Program. The County's Senior Program Manager for MS4 has been asked to serve on the Search Committee for the next Watershed Restoration Educator position to help coordinate community outreach and public involvement activities for St. Mary's County.

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

Standard events are scheduled yearly to promote public involvement and participation, some of these include but are not limited to;

1.) Community tabling events/educational booth

- River Fest (Historic St. Mary's City) – late September
- St. Mary's County Fair (St. Mary's Fairgrounds) – 3 days in late September

2.) Workshops

- Environmental Stewardship Event – Summer
- Workshops: Backyard Composting, Rain Barrels, Septic Solutions 101
- Watershed Stewards Academy – Joint – Open for Calvert and St. Mary's Counties' residents

3.) Current St. Mary's County programs and partner programs to encourage participation in,

- Hazardous Waste Collection Days – 2 times a year
- Recycling – general practice, paper shredding events, free mulch days
- Backyard Buffers Program – St. Mary's WSA and Department of Natural Resources
- Prescription Drop-Off Program – Ongoing. In 2021, 1366 pounds of prescription medications were collected by the Sheriff's Office. Proper disposal of prescription and over-the-counter medications protects our community and environment especially water quality by keeping drugs from entering our water when poured down the drain or flushed down the toilet.

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

University of Maryland Extension's support is an aggregated cost and is not reported to the County MS4 division. Other public involvement costs are not tracked or itemized at this time.

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:

The County GIS system is being used to map outfall channels, SWM BMP's and waters of the U.S. These discharge points are being inspected for IDDE and mapping is still in progress. See **Attachment "F"** Y4 2022 SMC MCM 3 IDDE Field Investigations for this reporting year's field inspections.

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:

The signed and approved IDDE Ordinance No. 2020-45 took effect as of January 4, 2021 and was included with the last annual submission. The document is recorded in the courthouse land records of St. Mary's County at Liber 28 Folio 392. In the recorded ordinance under Article IV, it defines violations, enforcement measures and associated penalties.

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

1. First Effort – Request permission to enter property from resident/owner/property manager.
2. A right of entry form can also be used if additional investigation, testing, or onsite labor is required.
3. Ordinance No. 2020-45, Section 265-12 - If the violation constitutes an imminent or substantial endangerment to public health or public safety, DPW&T is authorized to enter upon the subject private property, without giving prior notice, to take any and all measures necessary to abate the violation and/or restore the property.

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:

A revised standard operating procedure was submitted with the last annual report that added the language about the 100 outfalls that are required to be inspected each year.

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

Did MDE approve the submitted SOPs?

☒ Yes ☐ No

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

N/A

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:

Screening locations were identified through prioritizing those within and adjacent to the County high level urban land use area and along the MD 235 corridor where illicit discharges are most likely to occur. These locations included commercial, industrial, and residential land uses. See **Attachment "H"** Y4 2022 SMC MCM 3 IDDE Regulatory Outfall Revision Recommendation for justification on our possible targeted locations.

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?
Once

At what frequency were outfalls screened during the reporting period?
Once

How many dry weather flows were observed?

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

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

See **Attachment "G"** - Y4 2022 SMC MCM 3 IDDE Reinspection Results, this document helps to illustrate part of the County's investigation process. Specifically, the reinspection's are to determine if additional water sampling or testing is required. See **Attachment "J"** - Y4 2022 SMC MCM 3 IDDE Testing Report Sandy Bottom Rd Example, for an occurrence where testing was completed.

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

Please also reference the Field Investigation and Enforcement Actions section of the Standard Operating Procedure (SOP): Paraphrased - Investigate promptly, once detected, follow to source, contact the property owner to address resolution. For identified hazardous conditions/concerns monitor and activate additional County resources as required.

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

Maintenance and corrective actions are addressed under the Post Construction Runoff Minimum Control Measure. Issues identified during IDDE inspections are forwarded for a follow up inspection and notifications to the associated private property owners or the MS4 Senior Program Manager for County owned sites to facilitate warranted contract maintenance actions.

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:

IDDE investigations take place upon intake of complaints. Our inspectors visit the site and fill out a field report and document the issue with notes and pictures of each event. Once the initial field investigation is preformed and IDDE concerns are validated. The next step would be to forward occurrence to any of the County's other departments if required. Any corrective actions that are needed will be completed and if the illicit discharge requires additional steps to comply, then some means of enforcement will be taken. The events of the IDDE investigation will be recorded on the IDDE Summary Investigation Form for tracking purposes. See **Attachment "D"** - Y4 2022 SMC MCM 3 IDDE Investigation Summary Form Examples. No illicit discharges have been identified during this reporting period.

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:

The County website has information available about IDDE related topics that the public can access. Flyers have been made that can be handed out, left at residents, sent in mailings, etc. See **Attachment "I"** - Y4 2022 SMC MCM 3 IDDE Flyer Example. Additional Program materials are also under development as part of the Public Education development activities.

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

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

The complete Illicit Discharge Detection & Elimination (IDDE) Program, County Training Session power point presentation and example Certificate of Completion were submitted with the previous annual report as supplemental information.

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

The total cost of implementing this MCM has been \$193,695 for the overall permit term thus far.

MCM #4: Construction Site Stormwater Runoff Control

Erosion & Sediment Control Program Procedures, Ordinances, and Legal Authority
<p>1. Does the permittee have an MDE approved ordinance? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Has the permittee submitted modifications to MDE? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Has the adopted ordinance been submitted to MDE? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If No, is the adopted ordinance attached? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>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? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If Yes, check all that apply: <input checked="" type="checkbox"/> Plan Review and Approval <input checked="" type="checkbox"/> Construction Inspections <input checked="" type="checkbox"/> Enforcement</p>
<p>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? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Explain how the permittee ensures all permits are in place:</p> <p style="color: #e67e22;">County Grading Permits are not issued until all items on the DPW grading permit requirement letter have been completed. This process includes an application, inspection and applications fees, a performance bond or letter of credit guaranteeing the restoration and stabilization of the site and construction of the stormwater management structures, an Inspection and Maintenance Agreement of private stormwater management facilities, NOCC forms, site plan approval from Land Use and Growth Management (LUGM), three sets of final plans with St. Mary's County Soil Conservation District (SCD) signature approval, and a copy of the NPDES Notice of Intent (NOI) must be filed by the Applicant with the Maryland Department of the Environment, Water Management Administration regarding construction activities.</p>
Erosion & Sediment Control Program Implementation Information
<p>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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>

MCM #4: Construction Site Stormwater Runoff Control

Describe the process:

St. Mary's County Soil Conservation District (SCD) is the designated authority regarding erosion and sediment control.

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

If the Department of Public Works and Transportation (DPWT) receives an erosion and sediment control call, we will research, investigate, and validate the complaint and then it is sent to the local SCD to investigate and/or forward to the local MDE assigned inspector.

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

Provide a list of all construction projects and disturbed areas:

List of Active projects with disturbed areas are contained in **Attachment "K"** - Y4 2022 SMC Active Grading Permits with LOD Table.

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:

County is not the Designated Authority for enforcement of this MCM.

Describe how the permittee communicates and collaborates with the enforcement authority for violations within the permit area. Include measures taken by the permittee such as suspending or denying a building or grading permit in order to prevent the discharge of pollutants into the MS4:

County inspectors and DPW&T staff routinely identify such sites and advise both those responsible for the construction project and the MDE assigned Inspector of the perceived failures to affect immediate actions. County staff also coordinates with MDE inspectors on how violations affect grading permits. At times when the Sediment and Erosion Control (SEC) plan approval is revoked by SCD, the County requires that a revised SEC plan is received prior to resumption of work.

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

☐ Yes ☒ No

If No, explain:

County is not the Designated Authority for enforcement of this MCM.

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

MCM #4: Construction Site Stormwater Runoff Control

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

The County works with the local SCD and MDE inspectors to ensure the full implementation and enforcement of this MCM.

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

Accounting cost structure and resourcing is not tracked at this level.

MCM #5: Post Construction Stormwater Management

Stormwater Management Program Procedures, Ordinances, and Legal Authority	
1.	<div style="display: flex; justify-content: space-between;"> <div>Does the permittee have an MDE approved ordinance?</div> <div><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>Has the permittee submitted modifications to MDE?</div> <div><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>Has the adopted ordinance been submitted to MDE?</div> <div><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>If No, is the adopted ordinance attached?</div> <div><input type="checkbox"/> Yes <input type="checkbox"/> No</div> </div>
2.	<div>Does the permittee have a memorandum of understanding (MOU) with the County to perform any or all requirements for an acceptable stormwater program?</div> <div><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</div> <div style="margin-top: 10px;">If Yes, check all that apply:</div> <div style="margin-left: 20px;"> <input type="checkbox"/> Plan Review and Approval <input type="checkbox"/> First Year Post Construction Inspections <input type="checkbox"/> As-Built Plan Approval <input type="checkbox"/> Post Construction Triennial Inspections <input type="checkbox"/> Enforcement <input type="checkbox"/> BMP Tracking and Reporting </div>
Stormwater Management Program Implementation Information	
<div>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?</div> <div><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</div> <div style="margin-top: 10px;">Describe the status of the database and efforts to complete all data fields:</div> <div style="color: #e67e22; font-size: 0.9em;">The database for BMP's is a live document with new and/or revised dates regarding inspections etc. being updated constantly.</div>	
<div>2. Total number of triennial inspections performed: <input style="width: 80px; text-align: center;" type="text" value="404"/></div> <div style="margin-top: 10px;">Total number of BMPs jurisdiction-wide: <input style="width: 80px; text-align: center;" type="text" value="1200"/></div> <div style="margin-top: 10px;">Are inspections performed at least once every three years for all BMPs?</div> <div><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</div> <div style="margin-top: 10px;">If No, describe how the permittee will catch up on past inspections and remain on track to perform BMP inspections once every three years:</div>	

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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:

- 1 site is now fully compliant after the notice of violation (NOV) was sent.
- 13 other recipients of the NOV letters have also been given civil citations as a result of not bringing the site into compliance. These citations and associated court proceedings are being handled by the County Attorney.

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):

N/A

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

Of the 152 publicly owned/operated sites, St. Mary's County Government is the responsible party for 102 facilities. See breakdown of County tracked Public or Quasi-Public BMPs:

Recreation & Parks - 52

DPW&T - 50

SMCPS - 41

Housing Authority - 3

METCOM - 2

USPS - 2

Lexington Park VRS - 2

Stormwater devices that need maintenance that include landscaping features (plantings, biomaterials and mulch, filterra units) are addressed using the County's landscaping contract. Other corrective actions that fall outside of the mowing or landscaping contracts are addressed by specialized contractors.

Number of publicly owned BMPs:

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

BMP landscaping needs are addressed by a contractor, this maintenance is performed at least two times a year. Maintenance is preformed based off inspections done by the County or a contractor. The County adopted Maintenance Schedule is in line with the States guidelines.

The County has procured a computer program to help keep tract of the inspection & maintenance dates and corrective action. The County plans to roll out this new software in 2023 along with new procedures for this software. This new software will be able to initiate inspections based on dates, so our inspectors will get work orders beforehand detailing the upcoming BMP inspections that are due. Also, our

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inspection reports are being revamped by this software to be modular & digital where the inspectors will be able to fill them out in the field and better suit our needs.

The County has noticed that micro-bioretenction facilities requires more maintenance and up-keep for functionality and aesthetics.

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:

The County DPW&T has adopted a version of the State's Guidance on regular Maintenance Schedules and Guidance. These minimum requirements for standard best management practices (BMP's) are being implemented. The County has purchased additional software to help with the tracking of planned and/or corrective maintenance that is found to be warranted. Along with new forms/checklists to be used during inspections so that the proper maintenance and remedial action is completed and tracked.

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:

The County has plans to implement additional activities for the next reporting cycle, they include but are not limited to;

- The use of new software to keep track of maintenance and inspection items
- Create digital forms/checklists to expedite the inspection process
- Research and contract additional support for maintenance solutions
- Key on facilities that need corrective action by increasing enforcement efforts for violations

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

Accounting cost structure and resourcing is not tracked at this level.

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:

Topics include sources of pollution, County procedures, reporting & forms. How to prevent/reduce pollutant runoff, application of pesticides, fertilizer & ice control measures, sediment discharge, waste management, yard waste, chemicals, washing activities, material storage, roadway maintenance, septic system discharge, swimming pool discharge, landscaping irrigation, & accidental spills, Biochemical Oxygen Demand (BOD), micro-plastics, spill prevention along with proper labeling of materials/chemicals, Reduce-Reuse-Recycle, individual checklist for maintenance and management criteria. A Power Point Presentation entitled "Good Housekeeping Program Procedures, County Training Session" was previously submitted in year 3. See **Attachment "L"** Y4 2022 SMC MCM 6 Training Sign-in Sheet Example, from a Building Services training session.

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

November 10, 2020, November 22, 2020, & March 11, 2022

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:

The Good Housekeeping Program Procedures are kept at a single location at the main office of the DPW&T along with the inspection reports for the individual sites. This information is also available to County staff via our local network.

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).

Property Name:

Date:

Oakville Convenience Center

2/1/2022

Describe observations:

Bio-Degradable Oil spill caused by hydraulic hose failure.

Describe permittee's response:

Big Stuff, Inc. was contracted by the County to clean up the spill and repair the equipment. Big Stuff, Inc. cleaned the oil spill with stay-dry and bagged the contaminated material and disposed of the material in an incinerator in Lorton VA.

MCM #6: Pollution Prevention and Good Housekeeping

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

Number of miles swept:

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:

The current DPW&T street sweeper truck asset is old, run down and not used very often because of frequent maintenance issues. Therefore, the miles swept, and debris collected has not been tracked to date. The County has budgeted for and procured a new street sweeper truck which is scheduled for delivery in December of 2022 barring any supply issues. The County has developed a system for tracking and logging the cleaning of the roadways and inlets in the priority urbanized areas. This strategy will in turn help to reduce nitrogen, phosphorus and sediment loads at the upland point sources before making its way to the local watersheds and Chesapeake Bay. With the implementation of this plan an equivalent credit for impervious acres being treated will be reported.

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:

The County currently has hazardous waste days a few times a year for the collection of hazardous waste, where a contractor collects and disposes of such waste. The collection occurs at a licensed County site currently covered under permit 12SW0656.

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):

Richard Tarr, Pesticides
James C. Farren, Professional Fertilizer Business License
James C. Farren, Professional Fertilizer Applicator
David M. Oliver, Professional Fertilizer Applicator
See **Attachment "M"** - Y4 2022 SMC MCM 6 Licenses

MCM #6: Pollution Prevention and Good Housekeeping

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

Pesticides are applied per the standard set forth by Maryland Department of Agriculture and are stored in an enclosed building with appropriate labeling/warnings.

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):

Fertilizer is stored in a shed with appropriate labels on the doors and is the only contents of the shed. Fertilizer is applied using a tractor or walk behind applicator attachment by a Licensed Professional.

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):

The County created a capital facility project that replaced an existing salt dome with a new modern barn structure implementing improved design to minimize unwanted runoff. Other existing salt domes and barns utilized straw bales/foam rubber berms to prevent ingress/egress of runoff.

Describe good housekeeping BMP alternatives not listed above:

See other additional Good Housekeeping alternatives in the attached Power Point Presentation used for the County Training Sessions.

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:

The properties operating under Industrial Stormwater Discharge Permits has been reduced to the following: 12SW0656

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

Accounting cost structure and resourcing is not tracked at this level. We are looking into possible ways to break down and track the costs associated with different MCM's in the future.