

**ST. MARY'S COUNTY
ANNUAL REPORT FY 2021**

FOR

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

October 28, 2021



**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:	John F. Deatrick, Director
Mailing Address:	St. Mary's County DPW&T, P.O. Box 508 California, MD 20619
Phone Number(s):	(301) 475-4200 ext. 73510
Email address:	john.deatrick@stmarysmd.com
Additional Contact(s):	Dan Fogel
Mailing Address:	St. Mary's County DPW&T, P.O. Box 508
Phone Number(s):	(301) 475-4200 ext. 73536
Email address:	dan.fogel@stmarysmd.com

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.

John F. Deatrick		10/28/2021
Printed Name	Signature	Date

Reporting Period (State Fiscal Year):

2021

Due Date:

10/31/2021

Date of Submission:

10/28/2021

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:

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

A revision is attached to this report form.

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:

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 582.65 acres completed between January 2006 and June 2021 are calculated to exceed the required treatment to meet St. Mary's County restoration goal. The County has an additional 62 acres of restoration credit from future shoreline management and outfall restoration projects currently in the planning phase or under construction. Although the County meets their goal, additional projects are being documented and completed to meet County needs as well as to address the potential 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:

No additional projects are required to meet the 2025 date. Active Projects on the schedule is supplemental and above the requirements. A complete list of projects is provided. This list may be updated if additional restoration projects are documented.

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

Restoration projects completed from January 2006 to June 2021 have surpassed the St. Mary's County restoration goal. See attached Table 1 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:

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 being completed according to State requirements as a part of County Capital Improvement Projects, County facility maintenance projects, and private development projects. The County will also continue maintenance efforts to restore failing BMPs to functioning condition.

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

Coordinate with UMD Extension on implementing/documenting homeowner BMPs, and the Health Department on additional BAT installations. County also documents additional restoration projects by the Town of Leonardtown and the Soil Conservation District as information becomes available.

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

St. Mary's County has expended an estimated \$3,726,823 toward implementing the restoration program at the end of year 3. This includes all completed restoration projects as well as efforts to document all completed projects and to document permit compliance.

The County expects to spend an estimated \$40,000.00 per year in continued project documentation, \$116,000 in contract inspection costs, and \$267,000 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
				428.60		
BAT conversion (septic denitrification)	SEPC		301.6	127.0	C	May 2007 – June 2021
Outfall stabilization	OUT		21.38	105.62	C	January 2006 – June 2021
Shoreline stabilization	SHST		126.16	-20.54	C	January 2008 – June 2021
BMP redevelopment/ restoration	REDE		35.68	-56.22	C	January 2008 – June 2021
Dry pond retrofit to wet (WQ & NR Project)	PWET		99.06	-155.28	C	July 2019
Impervious removal	IMPP		2.09	-157.37	C	January 2015 – June 2021
Shoreline Stabilization (Piney Point Lighthouse Addition)	SHST	820	40	-197.37	P	January 2022- December 2025
Living Shoreline (Piney Point Rd)	SHST	372	20	-217.37	P	January 2022- December 2025
Outfall Stabilization (Chopticon HS)	OUT	350	2	-219.37	P	August 2021

*See attached Restoration Activity Schedule for a detailed listing of individual projects with dates completed and exact locations.