

**MS4 Stormwater General Permit
VAR040056**

**Annual Report
July 1, 2015 – June 30, 2016**



October 1, 2016



Table of Contents

<u>Section</u>		<u>Page</u>
1.0	Background Information.....	1
2.0	Status of Permit Condition Compliance.....	2
2.1.	Assessment of BMP Appropriateness.....	2
2.2.	Measureable Goals Progress.....	2-14
3.0	Results of Collected Data	14
4.0	Future Stormwater Activities	14
5.0	Changes in BMPs and Minimum Control Measures	14
5.1.	Changes in BMPs/Program Elements.....	14
5.2.	Changes in Measureable Goals.....	15
6.0	Government Reliance for Permit Obligations	15
7.0	Section II C Program Status.....	15
8.0	General Permit Section I Information	15

Attachments

1. 2013-2018 MS4 Program Plan (updated version)
2. Public Education and Outreach Program - Stafford County
3. Northern Virginia Regional Commission - Clean Water Partners 2016 Annual Summary
4. 2016 Comcast Spotlight Report
5. Pet Waste Signage
6. Local Activity / Event Sponsorship
7. Correspondence – Stafford County MS4 Service Area (Virginia DEQ – County)
8. Stafford County MS4 Outfall Information Table
9. Stormwater Outfalls – Dry Weather Screening
10. Illicit Discharge Complaints / Investigations (FY2016)
11. HAZMAT & Household Hazardous Waste Data
12. County Owned/Operated Stormwater Management Facility I&M Procedures
13. Post-Construction SWM Facilities Inspected – Permit Year 3
14. Nutrient Management Plan – Willowmere Park, McDuff Green Park & Patawomeck Park
15. Training Attendance Forms (Good Housekeeping / Pollution Prevention / IDDE)
16. Chesapeake Bay TMDL Action Plan (updated version)
17. Bacteria TMDL Action Plan (Rappahannock River)



1.0 Background Information

(1) Name and State permit number of the program submitting the annual report; (2) The annual report permit year; (3) Modifications to any operator's department's roles and responsibilities; (4) Number of new MS4 outfalls and associated acreage by HUC added during the permit year; (5) Signed certification in accordance with 9 VAC25-870-370.

1. Name and State permit number of the program submitting the annual report:

*Stafford County, VA
Permit # VAR040056*

2. The annual report permit year:

This serves as the Annual Report for Year 3 of the 2013-2018 Virginia MS4 General Permit (Permit). This Annual Report covers a time period from July 1, 2015 – June 30, 2016.

3. Modifications to any operator's roles and responsibilities:

*The operator's roles and responsibilities can be found in the County's 2013-2018 MS4 Program Plan, which was submitted with the Year 1 Annual Report. However, modifications have been made to the operator's roles and responsibilities during Year 3 of the Permit, and can be found in the updated version of the County's 2013-2018 MS4 Program Plan (**Attachment #1**).*

4. Number of new MS4 outfalls and associated acreage by HUC added during the permit year:

See Sec. III(A) of this Annual Report.

5. Signed certification in accordance with 9 VAC25-870-370

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.

C. Douglas Barnes

C. Douglas Barnes,
Interim County Administrator

9-29-16

Date

For questions regarding the Year 3 Annual Report, please contact:

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2.0 Status of Permit Condition Compliance

The status of compliance with state permit conditions, an assessment of the appropriateness of the identified best management practices and progress towards achieving the identified measurable goals for each of the minimum control measures.

2.1. Assessment of BMP Appropriateness

Stafford County is confident that the BMPs we have selected in our updated 2013-2018 MS4 Program Plan are appropriate. We will continue to monitor the status and appropriateness of each BMP as implementation continues.

2.2. Measurable Goals Progress

I. Public Education and Outreach

I(A). BMP/Program Element: Investigate the feasibility, implementation and distribution of printed material through venues/businesses that would facilitate the targeting of message disbursement for stormwater management and/or stormwater pollution prevention in the County.

Not applicable for Year 3 Permit requirements. However, Stafford County continued to distribute printed materials at various locations. The majority of the printed materials were distributed at community activities/events described in Sec. II(E) of this Report.

*Further explanation can be found in the Public Education & Outreach Program (**Attachment #2**), which is further described in the County's updated 2013-2018 MS4 Program Plan.*

I(B). BMP/Program Element: Distribute printed media materials at the County Government Center and County public libraries.

During Year 3 of the Permit, Stafford County continued to distribute printed materials at the County Government Center. Distribution of the printed materials occurs mainly at the Community Development Services Center (CDSC), which serves as the County's primary location for customer service and public assistance. The Building & Environmental Division field offices, as well as Porter Library and England Run Library in Stafford County, continue to serve as additional locations for printed materials distribution.

The County distributes approximately seven (7) outreach brochures (in addition to EPA materials), which can be found in the County's updated 2013-2018 MS4 Program Plan.

I(C). BMP/Program Element: Provide internet access and download capability to stormwater management and stormwater pollution prevention materials.

Stafford County continues to provide stormwater management and stormwater pollution prevention materials on the Department of Public Works webpage, specifically www.staffordcountyva.gov/MS4 and www.staffordcountyva.gov/stormwater.



Each link contains information regarding stormwater management, the Virginia MS4 General Permit, the County's updated 2013-2018 MS4 Program Plan, current Annual Report, and all printed materials identified in I(B).

In addition, visitors to the webpage are invited to send questions and/or general comments to the Department of Public Works regarding the County's updated 2013-2018 MS4 Program Plan using the email link - (stormwater@staffordcountyva.gov).

Finally, the following webpage views were recorded beginning 7/1/2015 and ending 6/30/2016.

www.staffordcountyva.gov/environmental → 674 page views
www.staffordcountyva.gov/stormwater → 1,176 page views
www.staffordcountyva.gov/MS4 → 253 page views

I(D). BMP/Program Element: Participate in Northern Virginia Regional Commission's (NVRC) Clean Water Partners regional stormwater education media campaign.

The County continues to participate in the Northern Virginia Regional Commission's (NVRC) Clean Water Partners, a regional stormwater education media campaign. The 2016 Annual Summary (**Attachment #3**) details the campaign results for Year 3 of the Permit.

I(E). BMP/Program Element: Operate the County's Stormwater Pollution Hotline for citizen complaints.

The County continues the operation of the Stormwater Pollution Hotline (including additional County contact phone #'s) to collect citizen concerns for stormwater pollution, erosion and sediment control, drainage issues and Chesapeake Bay Act violations. The County received 250 complaints between July 1, 2015 and June 30, 2016.

ITEM	TOTAL (7/1/15 to 6/30/16)
Environmental Division Calls Received	1,853
Environmental Case File / Complaints*	250
Complaints Active (as of 6/30/16)	29
Complaints Resolved (as of 6/30/16)	221
*Illicit Discharges	9

I(F). BMP/Program Element: Identify three (3) high priority water quality issues that contribute to the discharge of stormwater pollution.

Stafford County's three high-priority water quality issues are:

- 1) Pet Waste
- 2) Residential Lawn Care
- 3) Illicit Discharge (i.e. home automobile repair)

These three issues were selected during Year 1 of the Permit, in conjunction with the County's participation in the NVRC Clean Water Partners. No changes/substitutions were made regarding the three high-priority water quality issues during Year 3 of the Permit.



I(G). BMP/Program Element: Identify the target audience(s) and estimate the population size of the target audience(s) most likely to have significant impacts for each of the three high-priority water quality issue.

In partnership with the NVRC's Clean Water Partners, and described in the County's Public Education & Outreach Program, the target audience for each high-priority water quality issue during Year 3 of the Permit is as follows:

TARGET AUDIENCE	POPULATION
Men/Women (Age 18+) - Own a Dog	414,638
Men/Women (Age 18+) - Perform Lawn Care	676,165
Men/Women (Age 18+) - Perform Home Automobile Repair	208,720

The target audiences are region-specific, and include combined populations from Arlington County, Fairfax County, Fairfax City, the City of Falls Church, Loudoun County, and Stafford County, among others.

The target audiences were selected in tandem with the results of the NVRC's Clean Water Partners' regional stormwater education media campaign, and with the assistance from Comcast Spotlight, the advertising sales division of Comcast.

*NVRC's participation with Comcast Spotlight is further described in the 2016 Comcast Spotlight Report (**Attachment #4**), which was provided to the NVRC's Clean Water Partners for Year 3 of the Permit.*

I(H). BMP/Program Element: Develop relevant message(s) and associated educational and outreach materials for message distribution to the selected target audiences while considering the viewpoints and concerns of those target audiences.

See Sec. I(D).

I(I). BMP/Program Element: Provide for public participation during public education and outreach program development.

See Sec. II(C), II(D) and II(E).

I(J). BMP/Program Element: Conduct education and outreach activities designed to reach 20% of the population of each target audience. Adjust target audience(s), messages, educational materials and delivery mechanisms as needed.

In partnership with the NVRC's Clean Water Partners, and described in the County's Public Education & Outreach Program, the education and outreach activities that were conducted successfully reached the required 20% of the population of each target audience.

Overall, the target audiences for Year 2 of the Permit were different than the target audiences for Year 3 of the Permit, reflecting changes in data from the 2016 Comcast Spotlight Report. Also, delivery mechanisms have changed, incorporating an additional twelve (12) premium cable channels, the inclusion of Spanish-language channels, and the addition of CSV+



(video ad network) as a data source. These changes, as well as others, can be found in the County's Public Education and Outreach Program.

The NVRC's Clean Water Partners will continue to evaluate the effectiveness of the education and outreach activities, and if necessary, make any modifications in the future.

I(K). BMP/Program Element: Implement a program to post waterway signage at County road crossings of major streams to identify the streams and their hydrologic connection to the Chesapeake Bay.

*During Year 3 of the Permit, Stafford County temporarily suspended the implementation of its waterway signage program. Rather, funding for the manufacturing and installation of waterway signage was used for the manufacturing and installation of pet waste signage in and around County parks. (**Attachment #5**)*

During Year 4 of the Permit, the County plans to coordinate with the Virginia Department of Transportation (VDOT) to obtain an updated Land Use Permit, and install additional waterway signage along state-maintained roadways through a combined effort of neighboring MS4's.

II. Public Involvement and Participation

II(A). BMP/Program Element: Provide hard copies of the County's 2013-2018 MS4 Program Plan at the County Government Center and public libraries, as well as providing the MS4 Program Plan on the County's website. In addition, post current news and information announcing the availability of the MS4 Program Plan on the County's website.

The County has made available a copy of the updated 2013-2018 MS4 Program Plan at the County Government Center, as well as Porter Library and England Run Library in Stafford County. In addition, a copy of the updated 2013-2018 MS4 Program Plan is made available at the following webpage: <http://www.staffordcountyva.gov/MS4>

II(B). BMP/Program Element: Provide hard copies of the County's Annual Report at the County Government Center and public libraries, as well as providing the Annual Report on the County's website. In addition, post current news and information announcing the availability of the Annual Report on the County's website.

The County has made available a copy of the 2015-2016 Annual Report at the County Government Center, as well as Porter Library and England Run Library in Stafford County. In addition, a copy of the 2015-2016 Annual Report is made available at the following webpage: <http://www.staffordcountyva.gov/MS4>

II(C). BMP/Program Element: Promote Adopt-A-Stream Program opportunities.

The County continues to promote Adopt-A-Stream Program opportunities at the following webpage: <http://www.staffordcountyva.gov/stormwater>.



During Year 3 of the Permit, however, no new opportunities for the Adopt-A-Stream Program became available.

II(D). BMP/Program Element: Promote the County's Storm Drain Marking Program.

The County continues to promote the Storm Drain Marking Program at the following webpage: <http://www.staffordcountyva.gov/stormwater>.

During Year 3 of the Permit, the County agreed to partner with the Friends of the Rappahannock to promote a storm drain marking initiative throughout the County. These efforts have resulted in coordination with the residents of Falls Run by Del Webb, a 55+ retirement community within the Falls Run subwatershed of the Rappahannock River.

The installation of approximately 50 storm drain markers has been scheduled for Year 4 of the Permit, and is well underway.

II(E). BMP/Program Element: Investigate and promote, sponsor and/or participate in at least four local activities aimed at increasing public participation with citizens and interested stakeholders.

During Year 3 of the Permit, the County participated in the following local events:

- 1) *City of Fredericksburg – Earth Day on the Rappahannock*
 - 2) *2016 Wild & Scenic Film Festival*
 - 3) *Rappahannock River Cleanup (2015-2016)*
 - 4) *Save the Crabs campaign (2015-2016)*
- (Attachment #6)**

The Rappahannock River Cleanup, as well as the Save the Crabs campaign, is a combination of multiple events organized throughout the year by the Friends of the Rappahannock. Stafford County continues to support these events by supplying equipment, materials and staff for the overall efforts.

The County will continue to promote, sponsor and/or participate in the above-mentioned local events aimed at increasing public participation, as well as investigate additional opportunities to increase public participation, as outlined in the Public Education & Outreach Program of the County's updated 2013-2018 MS4 Program Plan.

III. Illicit Discharge Detection and Elimination

III(A). BMP/Program Element: Maintain a current storm sewer system map and outfall information table

During Year 3 of the Permit, the County received an approval letter from VADEQ (dated July 31, 2015) regarding the proposed methodology to refine the County's MS4 Service Area.
(Attachment #7)



Per VADEQ's request, the County has submitted an updated 2013-2018 MS4 Program Plan as part of the Year 3 Annual Report, which describes the reasons for the methodology to refine the MS4 Service Area.

*In addition, the County has voluntarily submitted its latest version of the MS4 Outfall Information Table (**Attachment #8**), which includes the regulated outfalls within Stafford County's MS4 Service Area. Additional information is being gathered, and further research is being obtained, to establish a more defined outfall information table for Year 4 of the Permit, which may result in fewer (or more) outfalls within the County's MS4 Service Area.*

Finally, an updated storm sewer system map will be provided as part of the MS4 Annual Report submittal for Year 4 of the Permit, as required per Sec. II.B.3 of the Permit.

III(B). BMP/Program Element: Review and amend, as necessary, the County's Stormwater Pollution and Illicit Discharge Ordinance (Article II; Sec. 21.5 of the County Code) for consistency with the Permit.

Not applicable for Year 3 Permit requirements.

III(C). BMP/Program Element: Develop, implement, and update, when appropriate, written procedures to detect, identify, and address unauthorized, non-stormwater discharges (including illegal dumping) to the County's MS4.

During Year 1 of the Permit, the County developed (and implemented) new Standard Operating Procedures (SOP) for Illicit Discharge Detection and Elimination (IDDE). This document was provided as part of the Year 1 Annual Report. No changes to this document were necessary during Year 3 of the Permit.

*In addition, the County screened thirty-nine (39) stormwater outfalls for dry-weather flow during Year 3 of the Permit. (**Attachment #9**) Four (4) stormwater outfalls were considered "suspect," and follow-up was performed in accordance with the SOP for Illicit Discharge Detection and Elimination.*

III(D). BMP/Program Element: Promote, publicize, and facilitate public reporting of illicit discharges into or from the County's MS4. Conduct inspections in response to complaints and ensure that corrective measures have been implemented by the responsible party.

The County continually promotes, publicizes and facilitates the reporting of illicit discharges. During Year 3 of the Permit, the Stormwater Pollution Hotline phone number (Dial 311 or 540-658-8830), as well as additional County contact phone #'s, were advertised on outreach materials and on the County's webpage; www.staffordcountyva.gov/environmental.

*The County continues to display the Stormwater Pollution Hotline phone number on County vehicles as a notice for citizens to report any illicit discharges and/or pollution-generating activities. Consequently, the County received nine (9) illicit discharge-related complaints during Year 3 of the Permit. (**Attachment #10**)*



Also, the County's 311 Call Center processes online requests and performs "Live Chat" sessions to further assist County citizens regarding stormwater and pollution-related complaints. During Year 3 of the Permit, the County received two (2) online requests, and performed nine (9) "Live Chat" sessions related to stormwater and pollution-related complaints.

III(E). BMP/Program Element: Implement HAZMAT Spill Response Program.

The County's Fire & Rescue Department – Special Operations Command continues to implement a hazardous spill response program. The Fire & Rescue Department responded to fifteen (15) incidents involving HAZMAT spills between July 1, 2015 and June 30, 2016. Additional information has been provided. (**Attachment #11**)

III(F). BMP/Program Element: Implement Household Hazardous Waste Collection Program.

The Rappahannock Regional Solid Waste Management Board (R-Board), a joint venture of Stafford County and the City of Fredericksburg to operate and maintain the Regional Landfill, collected 23,160 gallons of household hazardous waste during Year 3 of the Permit. Additional information has been provided. (**Attachment #11**)

III(G). BMP/Program Element: Notify downstream MS4 operators of physical interconnections of storm sewer systems with the County's MS4.

Not applicable for Year 3 Permit requirements.

IV. Construction Site Stormwater Runoff Control

IV(A). BMP/Program Element: Administer and implement the County's Erosion and Sediment Control (E&SC) Program in accordance with Virginia's Erosion and Sediment Control regulations.

The County continues to successfully administer and implement the County's E&SC Program, the Virginia Stormwater Management Program (VSMP), as well as the Chesapeake Bay Preservation Act Program. The table below provides the following statistical information:

ITEM	TOTAL
Land Disturbing Permits Issued	27
Disturbed Acres	6,973
Field Correction Notices/Notices to Comply	72
Civil Penalties	0

In addition, the County's VSMP Compliance and Enforcement Policy and Procedures document (submitted with the Year 1 Annual Report) includes enforcement procedures related to the County's E&SC Program.



IV(B). BMP/Program Element: Provide training for the County’s E&SC Program inspection staff.

Currently, the following DEQ certifications are held by County staff during Year 3 of the Permit:

DEQ CERTIFICATION	TOTAL # OF CERTIFIED STAFF
<i>E&SC Combined Administrator</i>	<i>3</i>
<i>E&SC Plan Reviewer</i>	<i>2</i>
<i>E&SC Inspector</i>	<i>7</i>
<i>Stormwater Management Inspector</i>	<i>7</i>
<i>Dual Inspector</i>	<i>7</i>

IV(C). BMP/Program Element: Administer and implement the County’s Virginia Stormwater Management Program (VSMP) in accordance with the regulations of the Virginia Stormwater Management Act.

During Year 3 of the Permit, the County required evidence of Virginia Stormwater Management Program (VSMP) permits for all applicable land disturbance activities. This evidence was provided during the plan review process, and the following notes were placed on all subdivision construction plans, site development plans, and erosion & sediment control plans:

“Proof of all necessary federal, state, and local environmental permits must be submitted to the Department of Planning & Zoning prior to approval of construction plans and/or grading plans.” ... continued

AND

“Proof of VSMP permit must be submitted to the Department of Planning & Zoning prior to approval of construction plans and/or grading plans.”

Additionally, County staff provides a monthly land disturbance report to the Tappahannock Regional Office of the Virginia Department of Environmental Quality (DEQ). This allows DEQ staff the opportunity to confirm all applicable projects are obtaining the required permits.

V. Post Construction Stormwater Management in New Development and Development on Prior Developed Lands

V(A). BMP/Program Element: Administer and implement the County’s Virginia Stormwater Management Program (VSMP) in accordance with the regulations of the Virginia Stormwater Management Act.

Per the VSMP regulations effective July 1, 2014, the County continues to implement Stafford County Code Chapter 21.5 (Stormwater Management). In addition, the County continues to require post-construction stormwater management in new development, as well as development on prior developed lands, in accordance with the Stafford County SWM Design Manual; Fourth Edition and the Virginia Stormwater Management Handbook.



V(B). BMP/Program Element: Develop/present a seminar for Homeowner’s Associations (HOAs) on the requirements for proper maintenance of stormwater management facilities.

Stafford County continues to provide stormwater maintenance seminars to Homeowner’s Associations. During Year 3 of the Permit, the Department of Public Works – Environmental Division attended the following HOA meetings in order to present the County’s stormwater maintenance seminar and/or discuss the maintenance requirements of the HOAs respective stormwater management facilities:

<i>The Crescents @ Park Ridge</i>	<i>Madison @ England Run</i>	<i>The Glens</i>
<i>Austin Ridge</i>	<i>Madison @ Falls Run</i>	<i>Berea Knolls</i>
<i>Stafford Lakes Village</i>	<i>The Crossings @ Falls Run</i>	<i>Aquia Harbour</i>

V(C). BMP/Program Element: Develop written procedures for inspection, maintenance, and enforcement of maintenance agreements (when applicable) for stormwater management facilities located within or discharging into the MS4.

Since 2009, the County performs inspections and requires maintenance of stormwater management facilities (both County-owned / operated and privately-owned) in accordance with the County’s Stormwater Inspection and Maintenance Program. This Program is outlined in the County’s VSMP Compliance & Enforcement Policy and Procedures document, as well as the County’s SWM Design Manual; Fourth Edition.

*During Year 3 of the Permit, the County implemented the County Owned/Operated Stormwater Management Facility Inspection & Maintenance (I&M) Procedures manual. **(Attachment #12)***

This document satisfies the requirement of written procedures for the inspection and maintenance of County owned/operated stormwater management facilities, and will be used as a template for the development of a similar manual regarding privately-owned stormwater management facilities. This manual will be available during Year 4 of the Permit.

V(D). BMP/Program Element: Inspect permanent, post-construction stormwater management facilities that are privately-owned at least once every five years.

*During Year 3 of the Permit, the County completed 576 inspections of post-construction stormwater management facilities. **(Attachment #13)***

Also, and in part with VSMP Regulatory Citation 9VAC25-870-126, no enforcement actions were taken during Year 3 of the Permit.

Additional information, along with the County’s 2014-2015 Biennial Inspection Schedule, can be found on the County’s Stormwater Inspection & Maintenance Program webpage: www.staffordcountyva.gov/stormwater.

V(E). BMP/Program Element: Annually inspect permanent, post-construction stormwater management facilities that are County-owned / operated.

During Year 3 of the Permit, the County inspected thirty-seven (37) permanent, post-construction, County-owned / operated stormwater management facilities.



Also, dated July 29, 2016, the County submitted an updated version of the 2015 Historical Data Cleanup to the Virginia Department of Environmental Quality (VADEQ), which included additional BMP data for County-owned/operated stormwater management facilities.

V(F). BMP/Program Element: Conduct appropriate maintenance on permanent, post-construction stormwater management facilities owned / operated by the County as necessary.

See Sec. V(C).

V(G). BMP/Program Element: Develop and update, as necessary, the County's database of permanent, post-construction stormwater management facilities.

In accordance with the 2015 Historical Data Cleanup, the County's database of permanent, post-construction stormwater management facilities was submitted to DEQ on September 1, 2015.

Also, dated July 29, 2016, the County submitted an updated version of the 2015 Historical Data Cleanup to VADEQ, which included additional BMP data acquired during Year 3 of the Permit (July 1, 2015 – June 30, 2016).

VI. Pollution Prevention/Good Housekeeping for Municipal Operations

VI(A). BMP/Program Element: Develop written procedures for daily good housekeeping at County-owned / operated facilities.

The County continues to implement Standard Operating Procedures (SOP) for Illicit Discharge Detection and Elimination (IDDE), as well as Standard Operating Procedures for Good Housekeeping / Pollution Prevention for Municipal Operations, which were provided with the Year 1 Annual Report.

Both documents satisfy the Permit requirements for illicit discharge inspection and stormwater pollution prevention.

VI(B). BMP/Program Element: Identify all municipal, high-priority facilities including those that have a high potential for discharging pollutants.

Per the Stormwater Pollution Prevention Plan (SWPPP) Implementation document provided with the Year 1 Annual Report, the County identified all County-owned, high-priority facilities including those that have a high potential for discharging pollutants. No major changes or amendments to the document occurred during Year 3 of the Permit.

However, both Embrey Mill Park and Chichester Park, originally labeled as "future" County-owned, high priority facilities (Page 7, SWPPP Implementation document), have completed construction and are now included as active facilities. This minor change has been noted in the SWPPP Implementation document.



VI(C). BMP/Program Element: Develop and implement SWPPPs for all municipal high-priority facilities that have a high potential for discharging pollutants.

Not applicable for Year 3 Permit requirements.

VI(D). BMP/Program Element: Identify all applicable lands where nutrients are applied to a contiguous area of more than one acre.

Per the Nutrient Management Plan (NMP) Implementation document provided with the Year 1 Annual Report, the County identified all County-owned / operated lands where nutrients are applied to a contiguous area of more than one acre. No major changes or amendments to the document occurred during Year 3 of the Permit.

However, both Embrey Mill Park and Chichester Park, originally labeled as "future" County properties requiring a Nutrient Management Plan (Page 5, NMP Implementation document), have completed construction and are now included as active facilities. This minor change has been noted in the NMP Implementation document.

VI(E). BMP/Program Element: Develop and implement turf and landscape nutrient management plans on all lands where nutrients are applied to a contiguous area of more than one acre.

During Year 3 of the Permit, the County developed and implemented nutrient management plans on at least 40% of all identified acres of County-owned lands where nutrients are applied to a contiguous area of more than once acre.

*While continuing the implementation of NMPs at John Lee Pratt Memorial Park and St. Clair Brooks Park, the County began implementation of NMPs at Willowmere Park, McDuff Green Park and Patowomeck Park to satisfy the 40% measurable goal. (**Attachment #14**)*

VI(F). BMP/Program Element: Develop and implement an annual training plan and schedule in accordance with the requirements of the Permit.

Per the 2013-2018 Training Plan document provided with the Year 1 Annual Report, the County continues implementation of the training requirements specified in the state permit regulations.

VI(G). BMP/Program Element: Provide biennial training to field personnel in the recognition and reporting of illicit discharges.

*Biennial training in the recognition and reporting of illicit discharges was performed during Year 3 of the Permit for all applicable staff in the Department of Parks, Recreation & Community Facilities (PRCF), as well as applicable staff in the Department of Public Works and the Department of Planning & Zoning. This training was provided per the County's 2013-2018 Training Plan document. (**Attachment #15**)*

In addition, all applicable staff from the Department of Utilities, the Stafford County Sheriff's Office and the Stafford County Fire & Rescue Department will be provided training in the recognition and reporting of illicit discharges during Year 4 of the Permit.



VI(H). BMP/Program Element: Provide biennial training to County employees regarding good housekeeping and pollution prevention practices that are to be employed: (i) during road, street and parking lot maintenance; (ii) in and around maintenance and public works facilities; and (iii) in and around recreational facilities.

*Biennial training regarding good housekeeping and pollution prevention practices was performed during Year 3 of the Permit for all applicable staff in the Department of Parks, Recreation & Community Facilities (PRCF), as well as applicable staff in the Department of Public Works and the Department of Planning & Zoning. This training was provided per the County's 2013-2018 Training Plan document. This training was provided per the County's 2013-2018 Training Plan document. (**Attachment #15**)*

In addition, all applicable staff from the Department of Utilities, the Stafford County Sheriff's Office and the Stafford County Fire & Rescue Department will be provided training in the recognition and reporting of illicit discharges during Year 4 of the Permit.

VI(I). BMP/Program Element: Ensure and/or require that all employees or private contractors who apply pesticides and herbicides receive proper training and certification in accordance with the Virginia Pesticide Control Act.

The County's Department of Parks, Recreation & Community Facilities (PRCF) applies pesticides and herbicides on all applicable County owned/operated facilities. It is a requirement that all applicable PRCF employees (and County-hired contractors) who apply pesticides and herbicides are certified in accordance with the Virginia Pesticide Control Act. The certification course and exam are completed through the Virginia Department of Agriculture and Consumer Services (VDACS) every two years.

This summary is also found in the County's 2013-2018 Training Plan document.

VI(J). BMP/Program Element: Ensure that County emergency response employees have training in spill response and provide in the first annual report a summary of the training or certification program provided to all such employees.

The County's Department of Fire & Rescue is required to be trained in spill response, and such training is incorporated into two levels. Level 1 training requires all applicable staff (both salaried and volunteer) to be knowledgeable in spill response and in the recognition of HAZMAT incidences. This training consists of an 8-hour class completed through the Virginia Department of Fire Programs (VDFFP) using the Virginia Department of Emergency Management (VDEM) curriculum. All applicable staff from the Department of Fire & Rescue shall attend the course at the time of hire to obtain certification. Recertification is not required.

Level 2 training requires all applicable full-time staff be knowledgeable in spill response, specifically in controlling and containing HAZMAT incidences. The training consists of a 40-hour class and subsequent exam completed through the VDFFP using the VDEM curriculum. All applicable full-time staff from the Department of Fire & Rescue shall attend the course and take the exam at the time of hire to obtain certification. Recertification is not required.

This summary is also found in the County's 2013-2018 Training Plan document.



VI(K). BMP/Program Element: Maintain required documentation on each training event for a period of three (3) years after each training event.

Stafford County maintains all training documentation by means of the Attendance Training Form, found in the County's 2013-2018 Training Plan document. This form records the training date, number of employees attended, and the objective of the training event. However, if the Attendance Training Form is unavailable to applicable staff, a similar form was substituted and provided to the Environmental Programs Manager.

VI(L). BMP/Program Element: Require that all municipal contractors use appropriate control measures and procedures for stormwater discharges to the County's MS4 and include oversight procedures in the County's MS4 program plan.

Stafford County continues to require that all municipal, construction-related contractors obtain the appropriate certifications as required under the Virginia Erosion and Sediment Control Law, and other related requirements prior to any land disturbance activity.

This summary is also found in the County's 2013-2018 Training Plan document.

3.0 Results of Collected Data

Results of information collected and analyzed, including monitoring data, if any, during the reporting period.

During Year 3 of the Permit, Stafford County was not required to collect and analyze any formal monitoring data.

4.0 Future Stormwater Activities

A summary of the stormwater activities the operator plans to undertake during the next reporting cycle.

Refer to Appendix 1 of Stafford County's updated 2013-2018 MS4 Program Plan for a schedule of future stormwater activities.

5.0 Changes in BMPs and Minimum Control Measures

A change in any identified best management practices or measurable goals for any of the minimum control measures including steps to be taken to address any deficiencies.

5.1. Changes in BMPs/Program Elements

Stafford County's updated 2013-2018 MS4 Program Plan has been prepared to meet the requirements of the 2013-2018 Virginia MS4 General Permit. The BMPs/Program Elements have been provided in the updated 2013-2018 MS4 Program Plan.



5.2. Changes in Measurable Goals

Stafford County's updated 2013-2018 MS4 Program Plan has been prepared to meet the requirements of the 2013-2018 Virginia MS4 General Permit. The measurable goals have been provided in the updated 2013-2018 MS4 Program Plan.

6.0 Government Reliance for Permit Obligations

Notice that the operator is relying on another government entity to satisfy some of the State permit obligations (if applicable).

At this time, Stafford County is not relying on any other government agencies to satisfy any direct permit obligations, other than our participation in the Northern Virginia Regional Commission's (NVRC) Clean Water Partners regional stormwater education campaign, which has been detailed in this Annual Report submittal.

7.0 Section II C Program Status

The approval status of any programs pursuant to Section II C (if appropriate), or the progress towards achieving full approval of these programs.

Not applicable for Year 3 Permit requirements.

8.0 General Permit Section I Information

Information required for the Chesapeake Bay TMDL, or applicable TMDL special condition contained in Section I.

Stafford County's updated 2013-2018 MS4 Program Plan is prepared to meet the requirements of the 2013-2018 Virginia MS4 General Permit. Per the requirements of Section I of the Permit, the County has completed its Chesapeake Bay TMDL Action Plan, and was submitted with the Year 2 MS4 Annual Report submittal.

*Minor modifications have been made to the County's Chesapeake Bay TMDL Action Plan, which include the removal of certain stormwater projects and the addition of alternative stormwater measures to meet the 5% pollutant reduction requirements. Also, a change in the estimated existing source loads in the Potomac and Rappahannock River watersheds has been provided. **(Attachment #16)***

*In addition, the County has completed the Bacteria TMDL Action Plan for the Rappahannock River, per the requirements of Section I of the Permit. **(Attachment #17)***