

**MS4 Stormwater General Permit**  
**VAR040056**

**Annual Report**  
**July 1, 2014 – June 30, 2015**



October 1, 2015





---

## 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.	Measurable 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 Measurable Goals .....	14
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. Public Education and Outreach Program - Stafford County
2. Northern Virginia Regional Commission - Clean Water Partners 2015 Annual Summary
3. 2015 Comcast Spotlight Report
4. Watershed Signage Program / Stream Crossings Results
5. Adopt-A-Stream Program – Green Aquia
6. Storm Drain Marking Program – Girl Scouts Troop 3546 Juniors
7. Local Activity / Event Sponsorship
- 8a. Correspondence – Stafford County MS4 Service Area (County – Virginia DEQ)
- 8b. Correspondence – Stafford County MS4 Service Area (Virginia DEQ – County)
9. Stormwater Outfalls – Dry Weather Screening
10. Stormwater Pollution Hotline – County Vehicles
11. HAZMAT & Household Hazardous Waste Data
12. County / MS4 Interconnection Letter (VDOT, UMW, SCPS)
13. Post-Construction SWM Facilities Inspected – Permit Year 2
14. Nutrient Management Plan – John Lee Pratt Memorial Park & St. Clair Brooks Park
15. Chesapeake Bay TMDL Action Plan



## 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 2 of the 2013-2018 Virginia MS4 General Permit (Permit). This Annual Report covers a time period from July 1, 2014 – June 30, 2015.*

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. No modifications to any of the operator's roles and responsibilities have occurred during Year 2 of the Permit.*

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.*

  
Anthony J. Romanello, ICMA-CM  
County Administrator

  
Date

*For questions regarding the Year 2 Annual Report, please contact:*

*Paul J. Santay, Stormwater Program Coordinator  
County of Stafford - Department of Public Works*

*P.O. Box 339  
Stafford, VA 22555*

*540-658-8835  
[psantay@staffordcountyva.gov](mailto:psantay@staffordcountyva.gov)*



## 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 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.

*During Year 2 of the Permit, 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 #1**), which is further described in the County's 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 2 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 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](http://www.staffordcountyva.gov/MS4) and [www.staffordcountyva.gov/stormwater](http://www.staffordcountyva.gov/stormwater). Each link contains*



information regarding stormwater management, the Virginia MS4 General Permit, the County's 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 2013-2018 MS4 Program Plan using the email link - ([stormwater@staffordcountyva.gov](mailto:stormwater@staffordcountyva.gov)).

Finally, the following webpage views were recorded beginning 7/1/2014 and ending 6/30/2015.

[www.staffordcountyva.gov/environmental](http://www.staffordcountyva.gov/environmental) → 863 page views  
[www.staffordcountyva.gov/stormwater](http://www.staffordcountyva.gov/stormwater) → 1,481 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 2015 Annual Summary (**Attachment #2**) details the campaign results for Year 2 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 290 complaints between July 1, 2014 and June 30, 2015.

ITEM	TOTAL (7/1/14 to 6/30/15)
Environmental Division Calls Received	1,684
Environmental Case File / Complaints*	290
Complaints Active (as of 6/30/15)	65
Complaints Resolved (as of 6/30/15)	225
*Illicit Discharges	8

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 2 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 2 of the Permit is as follows:*

TARGET AUDIENCE	POPULATION
Men/Women (Age 18+) - Own a Dog	434,602
Men/Women (Age 18+) - Perform Lawn Care	712,358
Men/Women (Age 18+) - Perform Home Automobile Repair	171,596

*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 2015 Comcast Spotlight Report (**Attachment #3**), which was provided to the NVRC's Clean Water Partners for Year 2 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 1 of the Permit were different than the target audiences for Year 2 of the Permit, reflecting changes in data from the 2015 Comcast Spotlight Report. Also, delivery mechanisms have changed, incorporating an additional 9 premium cable channels, as well as the addition of [www.cox.com](http://www.cox.com) 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.

*Stafford County continues the implementation of its waterway signage program. Beginning in 2007, the waterway signage program allows the County to properly identify stream crossings along private and state-maintained roadways.*

*During Year 1 and 2 of the Permit, the County identified five (5) critical stream crossings along private and state-maintained roadways. Furthermore, two (2) of those stream crossings signs were installed in the Aquia Harbour subdivision along Aquia Creek. This successful installation was coordinated between Stafford County and Green Aquia, an environmental committee of Aquia Harbour. (**Attachment #4**)*

---

## **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 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 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 2014-2015 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 2014-2015 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 promotes Adopt-A-Stream Program opportunities at the following webpage: <http://www.staffordcountyva.gov/stormwater>.*

*During Year 2 of the Permit, these efforts have resulted in the adoption of Aquia Creek and Austin Run by Green Aquia, an environmental committee representing the Aquia Harbour*



subdivision in Stafford County. The County assisted by coordinating logistics and funding the installation of the signage. (**Attachment #5**)

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

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

During Year 2 of the Permit, these efforts have resulted in coordination with the County's local Girl Scouts of America affiliate regarding storm drain marking. Forty (40) storm drains were marked in the Stonehill Estates subdivision (Dorothy Lane, 22556). (**Attachment #6**)

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 2 of the Permit, Stafford County actively participated in local events to increase public participation with citizens and interested stakeholders. During Year 2 of the Permit, the County participated in the following local events:

- 1) Stafford Rotary Club – 10<sup>th</sup> Annual Wings & Wheels Festival
- 2) City of Fredericksburg – Earth Day on the Rappahannock
- 3) University of Mary Washington Multicultural Fair

In addition, the County sponsored the Wild & Scenic Film Festival, organized by the Friends of the Rappahannock. (**Attachment #7**)

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 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 2 of the Permit, the County continued discussions with the Virginia Department of Environmental Quality (VADEQ) regarding the proposed methodology to refine the County's MS4 Service Area.

Dated November 21, 2014, the County officially submitted the proposed methodology to refine the County's MS4 Service Area to VADEQ for approval. (**Attachment #8a**)

Dated July 31, 2015 (Year 3 of the Permit), the County received approval from VADEQ regarding the proposed methodology to refine the County's MS4 Service Area. (**Attachment #8b**)





---

*Per VADEQ's request, the County will submit a revised 2013-2018 MS4 Program Plan as part of the Year 3 Annual Report, along with an updated storm sewer system map and outfall information table.*

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.

*After review of the County's Stormwater and Illicit Discharge Ordinance (Article II; Sec. 21.5 of the County Code) during Year 2 of the Permit, the ordinance is consistent with the Permit, and does not require any amendments.*

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 2 of the Permit*

*In addition, the County screened fifty-nine (59) stormwater outfalls for dry-weather flow during Year 2 of the Permit. **(Attachment #9)** Two (2) 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 2 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](http://www.staffordcountyva.gov/environmental).*

*In addition, the County has begun 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. **(Attachment #10)** Consequently, the County received eight (8) illicit discharge-related complaints during Year 2 of the Permit.*

*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 2 of the Permit, the County received seven (7) online requests, and performed two (2) "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 twelve (12) incidents involving HAZMAT spills between July 1, 2014 and June 30, 2015. 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 18,115 gallons of household hazardous waste during Year 2 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.

*During Year 2 of the Permit, the County notified the Virginia Department of Transportation (VDOT), the University of Mary Washington (UMW), and Stafford County Public Schools (SCPS) of the potential for physical interconnections of storm sewer systems. (Attachment #12)*

**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	42
Disturbed Acres	251
Field Correction Notices/Notices to Comply	79
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 2 of the Permit:

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

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 2 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 (VADEQ). This allows VADEQ 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 2 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>Park Ridge</i>	<i>Stratford Place</i>	<i>Glenwood Forest</i>
<i>Hills at Aquia</i>	<i>The Glens</i>	<i>Colonial Forge</i>
<i>Stafford Lakes Village</i>	<i>Stone River</i>	<i>Hampton Oaks</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 2 of the Permit, the County has begun the development of written procedures for the inspection and maintenance of stormwater management facilities (both County-owned / operated and privately-owned). This document will be available during Year 3 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 2 of the Permit, the County completed 281 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 2 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](http://www.staffordcountyva.gov/stormwater).*

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

*Per the Year 1 Annual Report, all County-owned / operated stormwater management facilities will be inspected in October 2015, and will be performed annually from that date to ensure consistency and accuracy. Previously, the County inspected all County owned / operated stormwater management facilities at random during Year 1 and Year 2 of the Permit.*



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, authorized by the Virginia Department of Environmental Quality (DEQ), the County's database of permanent, post-construction stormwater management facilities was submitted to DEQ on September 1, 2015.*

*Per the Request for Applications document provided by DEQ as part of the 2015 Historical Data Cleanup, submission of the post-construction stormwater management facilities will serve as the County's annual BMP data (July 1, 2014 – June 30, 2015).*

---

## **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 changes or amendments to the document occurred during Year 2 of the Permit.*

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 2 Permit requirements. However, During Year 2 of the Permit, the County has updated and continued implementation of the existing SWPPPs for Woodlands Pool, Curtis Park and McDuff Green Park, which were found to be inconsistent with the requirements of the Permit.*



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 changes or amendments to the document occurred during Year 2 of the Permit.*

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 2 of the Permit, the County developed and implemented nutrient management plans on at least 15% of all identified acres of County-owned lands where nutrients are applied to a contiguous area of more than once acre.*

*Stafford County implemented NMPs at John Lee Pratt Memorial Park, as well as St. Clair Brooks Park, to satisfy the 15% 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. Changes were made to this document during Year 2 of the Permit, which impacted the responsibilities of the Fire & Rescue Department, as well as the Sheriff's Office. Training for appropriate staff within the Fire & Rescue Department, as well as the Sheriff's Office, will begin in Year 4 of the Permit.*

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 2 of the Permit for all applicable staff in the Department of Utilities. This training was provided per the County's 2013-2018 Training Plan document. Proof of attendance can be provided upon request.*

*In addition, all applicable staff from the Department of Public Works, the Department of Planning & Zoning, and the Department of Parks, Recreation & Community Facilities (PRCF) will be provided training in the recognition and reporting of illicit discharges during Year 3 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 2 of the Permit for all applicable staff in the Department of Utilities. This training was*



*provided per the County's 2013-2018 Training Plan document. Proof of attendance can be provided upon request.*

*In addition, all applicable staff from the Department of Public Works, the Department of Planning & Zoning, and the Department of Parks, Recreation & Community Facilities (PRCF) will be provided training regarding good housekeeping and pollution prevention practices during Year 3 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 (VD FP) 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 VD FP 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 Stormwater Program Coordinator.*



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 2 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 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 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 2013-2018 MS4 Program Plan, which had been provided with the Year 1 Annual Report submittal.*

#### **5.2. Changes in Measurable Goals**

*Stafford County's 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 2013-2018 MS4 Program Plan, which had been provided with the Year 1 Annual Report submittal.*





## 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 2 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 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. (**Attachment #15**)*