

CITY OF FREDERICKSBURG

FY2018 Annual Report

VSMP Phase II (MS4) Program

Permit No. VAR040058

July 2017 – June 2018



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Background Information

Program Name: City of Fredericksburg – Municipal Separate Storm Sewer System

Permit Number: VAR 040058

MS4 Contacts:

Below named are the lead person(s) responsible for the implementation of the terms and conditions of the permit:

John M. Saunders, P.E. – Senior Environmental Planner, Community Planning & Building Department
Kevin W. Utt – Stormwater Administrator, Community Planning & Building Department

These responsible persons can be reached at the Community Planning & Building Department at City Hall, 715 Princess Anne Street, Fredericksburg, VA 22404, telephone (540) 372-1179, fax (540) 372-6412.

Annual Report Permit Year: FY2018, July 1, 2017 – June 30, 2018 (Year 5 of MS4 implementation, permit cycle 3)

Modifications to roles and responsibilities: None

Number of new MS4 outfalls and associated acreage by HUC added during the permit year:
None reported at this time.

CERTIFICATION STATEMENT AND SIGNATORY REQUIREMENTS FOR MS4 PERMIT APPLICATIONS AND REPORTS

As required by 9VAC25-870-370 B, all reports required by state permits, and other information requested by the board shall, be signed by a responsible official or by a duly authorized representative of that person. A responsible official is:

- 1. For a corporation: by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means: (i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy-making or decision-making functions for the corporation, or (ii) the manager of one or more manufacturing, production, or operating facilities, provided the manager is authorized to make management decisions that govern the operation of the regulated facility, including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for state permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;*
- 2. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or*
- 3. For a municipality, state, federal, or other public agency: by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a federal agency includes (i) the chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.*

A person is a duly authorized representative only if:

- 1. The authorization is made in writing by a person described above;*
- 2. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. A duly authorized representative may thus be either a named individual or any individual occupying a named position; and*
- 3. The written authorization is submitted to the department.*

CERTIFICATION

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.


Responsible Official Signature

10/30/18
Date

VAR040058

City of Fredericksburg

Permit Number

MS4 Name

Compliance with State Permit Conditions

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 are provided in this Annual Report.

The City of Fredericksburg (the “City”) is currently compliant with the MS4 permit. The BMPs identified in the City’s Annual Report are intended to address discharges to all waters in the MS4 area and are effectively addressing discharges to impaired waters. Following an annual review, target audiences and strategies were reviewed and determined to be appropriate for future outreach efforts.

Compliance with Table 1 Schedule (MS4 Program Plan Updates)

The following is a summary of the City’s Actions to comply with the requirements of the 2013 MS4 General Permit. The information provided in this section outlines the actions that the City has taken to update the City’s MS4 Program Plan according to the schedule contained in Table 1 of the General Permit.

Outfall Map Completed

The City has developed an outfall map in a GIS shapefile based on historical infrastructure and as-built CAD files maintained by the Department of Public Works. The City continues to update this map as new outfalls are added from new development, field observations, and IDDE screening activities. A copy of this map is provided in **Appendix A, Outfall Map**.

SWPPP Implementation

The City has developed and implemented SWPPPs at all of its high priority facilities.

Other TMDL Action Plans for applicable TMDLs approved between July 2008 and June 2013

The City has developed a Local Bacteria TMDL Action Plan for the Tidal Freshwater Rappahannock River Watershed.

Compliance with TMDL Requirements

Special conditions for approved total maximum daily loads (TMDL) other than the Chesapeake Bay TMDL:

Table 1 Scheduled Submissions:

- 24 months after permit coverage, TMDLs approved before July 2008
Not applicable to the City of Fredericksburg
- 36 months after permit coverage, TMDLs approved between July 2008 and June 2013
The City has developed a Local Bacteria TMDL Action Plan for the Tidal Freshwater Rappahannock River Watershed as noted above.

Special conditions for the Chesapeake Bay TMDL:

Table 1 Scheduled Submissions:

- 24 months after permit coverage, Chesapeake Bay TMDL Action Plan
Chesapeake Bay TMDL Action Plan to be developed within 24 months of permit coverage
The City’s TMDL Action Plan was submitted in conjunction with the FY2015 MS4 Annual Report.

Reapplication Submissions:

- As part of the reapplication package of the general permit, Draft Second Phase Chesapeake Bay TMDL Action Plan

A draft Second Phase Chesapeake Bay TMDL Action Plan was submitted with the City's Registration Statement to continue Permit coverage. A final Second Phase Action Plan will be submitted in accordance with the new general permit.

The City of Fredericksburg is relying on street sweeping as its primary Means and Methods to achieve compliance in the TP, TN, and TSS target reduction for this permit cycle (5.0%). For more information refer to the City of Fredericksburg Chesapeake Bay TMDL Action Plan.

MINIMUM CONTROL MEASURE 1 – Public Education and Outreach on Stormwater Impacts

The City of Fredericksburg implements a public education and outreach plan to distribute educational materials to the community or conduct equivalent outreach activities about the impacts of stormwater discharges on water bodies and the steps that the public can take to reduce pollutants in stormwater runoff.

BMP 1(A) – Develop Strategies to Target Local Groups

Investigate strategies towards education and outreach of local groups of commercial, industrial and institutional entities likely to have positive stormwater management and pollution prevention impact.

Compliance with Permit Conditions

The City plans to perform these investigations in years one, two, and four of the permit cycle and will distribute educational materials as appropriate based on these investigations.

Appropriateness and Effectiveness of BMP/Progress towards Achieving Measurable Goal

Targeting of local groups that are likely to influence better stormwater management and pollution prevention practices is an appropriate mechanism to make sure educational materials reach the right audience to have a positive impact. The City will continue to investigate potential partners to educate the public.

BMP 1(B) – Distribute Printed Media at Public Facilities and Make Available Electronically

Provide distribution points for stormwater management, water quality, and stormwater pollution prevention educational materials in printed form and electronically.

Compliance with Permit Conditions

The City publishes an annual Water Quality Report on its website. While the Water Quality Report is aimed at drinking water, the report also has information on water conservation and stormwater runoff. The report has contact information for reporting violations and information on the NPDES program. Printed materials are also available at City Hall, Dorothy Hart Parks and Recreation facility, and shared and distributed through the Friends of the Rappahannock.

Appropriateness and Effectiveness of BMP/Progress towards Achieving Measurable Goal

Providing printed media at select distribution points is an effective measure to target specific groups and provide them with tangible information to educate them about water quality and stormwater pollution prevention. The City will continue to provide educational materials at designated distribution points.

BMP 1(C) – Provide Internet Access and Download Capability on SWM and Stormwater P2 Materials

Provide education and information to Citizens on stormwater management (SWM), water quality, and stormwater pollution prevention (P2) via the Internet and provide those materials in easily reproducible electronic format.

Compliance with Permit Conditions

The City's website is up to date and will be reviewed again during next year's permit cycles for any necessary updates on stormwater management and stormwater pollution prevention materials. The websites for stormwater management, pollution prevention, and environmental outreach and education received a total of 238 views for this reporting period.

Appropriateness and Effectiveness of BMP/Progress towards Achieving Measurable Goal

Making stormwater management and stormwater pollution prevention materials available online electronically is an appropriate mechanism to make sure that educational materials can be easily searched, found, and disseminated to a wide audience rapidly. The City will continue to enhance the appropriate web pages and materials to provide education and awareness to potential internet users.

BMP 1(D) – Stormwater Pollution Prevention Hotline

Maintain and operate a stormwater pollution prevention hotline to process citizen complaints and concerns related to stormwater management, water quality, and stormwater pollution prevention.

Compliance with Permit Conditions

The City maintains contact information on the “Environmental” homepage: <http://www.fredericksburgva.gov/index.aspx?nid=944> to report suspected illicit discharges and provide information on Chesapeake Bay and various stormwater related issues. Suspected stormwater pollution prevention is tracked and reported using the City’s IDDE procedures.

Appropriateness and Effectiveness of BMP/Progress towards Achieving Measurable Goal

Maintaining a hotline on the City’s website is an effective method to provide citizens and concerned public with a means to notify the City of suspected discharges to the MS4 and make complaints about stormwater related issues. The City will continue to provide this hotline to make available all forms of communication to the Public.

BMP 1(E) – Identify 3 High Priority Water Quality Issues

Provide for a targeted approach to developing a public education & outreach program that addresses the highest priority water quality issues in the City’s MS4.

Compliance with Permit Conditions

Three High Priority Water Quality Issues were identified in the FY14 Annual Report:

- Cigarette Butt Campaign
- Pet Waste Campaign
- River Clean Up Campaign

A summary of this reporting period’s efforts is provided in **Appendix B, Three High Priority Water Quality Issues Program Data**.

Appropriateness and Effectiveness of BMP/Progress towards Achieving Measurable Goal

Prioritizing three high priority water quality issues has a direct and visible impact on reducing sources of pollution to surface waters that have the potential to enter the storm sewer system. The City will continue to prioritize these water quality efforts to involve the Public and advance stormwater pollution prevention.

BMP 1(F) – Identify/Estimate Size of Target Audience(s) to Impact High Priority Water Quality Issues

Identify the target audience(s) and estimate the population size of audience(s) most likely to have significant impacts for each of the 3 high priority water quality issues.

Compliance with Permit Conditions

The target audiences and estimated populations were submitted as part of the FY14 annual report for the three high priority water quality issues noted above.

Appropriateness and Effectiveness of BMP/Progress towards Achieving Measurable Goal

Targeting specific audiences to address the City's three high priority water quality issues is an effective method to implement the programs to address those issues. The City will continue to target these audiences to promote stormwater pollution prevention.

BMP 1(G) – Develop Relevant Message(s) and Educational/Outreach Materials for Target Audiences

Compliance with Permit Conditions

Relevant messages and educational and outreach materials have been prepared for target audiences.

Appropriateness and Effectiveness of BMP/Progress towards Achieving Measurable Goal

Educational and outreach materials are an effective BMP to raise awareness and educate target audiences about water quality issues. The City will continue to distribute materials to these audiences to promote stormwater pollution prevention.

BMP 1(H) – Provide for Public Participation during Public Education and Outreach Program Development

Compliance with Permit Conditions

Clean & Green Commission meeting are held on the first Monday of every month and open to the public. Relevant public comments at these meetings are considered in the development of this Program.

Appropriateness and Effectiveness of BMP/Progress towards Achieving Measurable Goal

Clean & Green Commission meeting minutes are an effective BMP to ensure that citizens with the most interest in the development of this Program can submit feedback. The City will continue to collect minutes from these meetings to ensure that public comments are considered in the Program development.

BMP 1(I) – Conduct Education/Outreach Activities to Reach 20% of Target Audience

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.

Compliance with Permit Conditions

A flier was developed by the Clean & Green Commission to educate citizens on the pet waste and cigarette butt campaigns. The flier was distributed to 7950 customers as part of their water bill and reached 100% of the target audience. A copy of this flier is available in **Appendix A**.

Appropriateness and Effectiveness of BMP/Progress towards Achieving Measurable Goal

Promotion of the pet waste and cigarette butt campaigns is an effective measure to achieve high water quality program goals and address specific pollutants. The City will continue to provide outreach to 100% of the target audience to promote participation in these programs.

BMP 1(J) – Post Waterway Signage at Road Crossings

Post waterway signage at road crossings of major streams in the City to identify the streams and their hydrologic connection to the Chesapeake Bay.

Compliance with Permit Conditions

This is an ongoing program to develop a list of potential locations and investigate the feasibility for posting the signs.

Appropriateness and Effectiveness of BMP/Progress towards Achieving Measurable Goal

Roadway signage at road crossings over major streams in the City can promote awareness to travelers about proximity to streams and their connection to the Chesapeake Bay. The City will continue to explore the feasibility of posting roadway signage.

MINIMUM CONTROL MEASURE 2 – Public Involvement/Participation

BMP 2(A) – Provide Copies of the City’s MS4 Program Plan

Provide hard copies of the City’s Revised 2013-2018 MS4 Program Plan at City Hall and electronically on the City’s website.

Compliance with Permit Conditions

Hard copies of the Program Plan are available in the City’s Community Planning & Building Department upon request. The Program Plan is also available on the City’s MS4 Program website link:

<http://www.fredericksburgva.gov/index.aspx?nid=967>

Appropriateness and Effectiveness of BMP/Progress towards Achieving Measurable Goal

Providing copies of the MS4 Program Plan is an effective way to disseminate Program details to the public and interested parties. The City will continue to provide copies of the Program Plan in hard copy form and on its website.

BMP 2(B) – Provide Copies of the City’s MS4 Annual Reports

Provide hard copies of the City’s MS4 Annual Reports at City Hall and electronically on the City’s website.

Compliance with Permit Conditions

Hard copies of the Annual Reports are available in the City’s Community Planning & Building Department upon request. The MS4 Annual Reports for the last five permit years are also available on the City’s Stormwater Management website link:

<http://va-fredericksburg.civicplus.com/index.aspx?NID=476>

Appropriateness and Effectiveness of BMP/Progress towards Achieving Measurable Goal

Providing copies of the MS4 Annual Reports is an effective way to disseminate Program progress to the public and interested parties. The City will continue to provide copies of the MS4 Annual Reports in hard copy form and on its website.

BMP 2(C) – Promote Storm Drain Marking Program

Mark storm drains to denote the pollution potential and potential impacts of illicit discharges and illegal dumping into the MS4. Storm drain marking will take place within the City limits.

Compliance with Permit Conditions

All drains have been marked within the City limits, and periodic visual checks to ensure drains are still marked are performed. Missing drain markers are replaced as needed and new drains are given markers.

Appropriateness and Effectiveness of BMP/Progress towards Achieving Measurable Goal

Marking the storm drains raises awareness that litter and spills that occur in streets and parking lots has the potential to enter the storm sewer system and drain to surface waters. The City will continue to mark drains to promote awareness and mitigate potential impacts of illicit discharge and illegal dumping.

BMP 2(D) – Investigate/Promote, Sponsor and/or Participate in Activities to Increase Public Participation
Identify opportunities aimed at increasing public participation to reduce stormwater pollutant loads and improve water quality. Annually the City will investigate and participate in at least four local activities aimed at increasing public participation by citizens and interested stakeholders.

Compliance with Permit Conditions

Documentation of participation activities as follows:

1. City's Belman Road Recycling Center Operations
 - Days and Hours of Operation
 - Monday – Friday: 8:00 a.m. – 4:30 p.m.
 - Saturday – Sunday: 9:00 a.m. – 3:00 p.m.
 - Closed: New Year's Day, Easter Sunday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day, Noon on Christmas Eve
2. Curbside Recycling Program
 - Curbside recycling was provided for all City trash accounts
 - Total Recyclables collected (including cardboard): 1010 tons
3. Household Hazardous Waste Collection*
 - October 28:
 - 4,690 gals of HHW including paint, gasoline etc.
 - 275 gals of Oil/Anti-freeze
 - 476 linear feet of fluorescent bulbs
 - 636 lbs of used household batteries
 - 26 car batteries
 - May 19**:
 - 3,765 gals of HHW including paint, gasoline etc.
 - 496 gals of Oil/Anti-freeze
 - 512 linear feet of fluorescent bulbs
 - 1,136 lbs of used household batteries
 - 23 car batteries

*All figures obtained through the Rappahannock Regional Solid Waste Management Board (R-BOARD)

**Held at Stafford Middle School, but open to City residents

4. Residential Bulk Waste Collection Program (Community Cleanup Week)
 - September 30 – October 8: 37.97 tons
 - April 7 – April 15: 55.82 tons

Copies of the event fliers for Household Hazardous Waste Collection and Community Cleanup Events are included in **Appendix B, Solid Waste Event Fliers**. These fliers were posted on the City's website and distributed to subscribers of the Public Works Newsflash, Trash and Recycling subscribers, and to the

FRED Alert trash and recycling subscribers, as well as targeted HOA communities and City Council members.

Appropriateness and Effectiveness of BMP/Progress towards Achieving Measurable Goal

Participating in local activities that promote public participation is an effective BMP to increase public participation by citizens and shareholders. Advertising and promoting these activities ensures that citizens can appropriately dispose of materials that could have an adverse effect on water quality if not handled or disposed of properly. The City will continue to participate in local activities to increase participation.

MINIMUM CONTROL MEASURE 3 – Illicit Discharge Detection and Elimination

The City has developed and implemented written procedures to detect, identify, and address unauthorized non-stormwater discharges to the MS4.

BMP 3(A) – Storm Sewer System Map and Outfall Information Table

Maintain a storm sewer system map and outfall information table in accordance with the permit to identify MS4 outfall discharge points to waters of the Commonwealth.

Compliance with Permit Conditions

A storm sewer system map and information table has been developed and is ongoing. As new outfalls are identified they will be added to the map and pertinent information will be noted for these outfalls. A copy of the current storm sewer map is available upon request by the Public or the Department.

Appropriateness and Effectiveness of BMP/Progress towards Achieving Measurable Goal

Developing and maintaining a map of all outfalls, drainage areas, and characteristics is critical for identifying locations to test for IDDE. The City will continue to enhance the storm sewer system map and add critical information as land and infrastructure is developed and installed.

BMP 3(B) – Review/Amend Stormwater Pollution and Illicit Discharge Ordinance for Permit Consistency

Review Stormwater Pollution and Illicit Discharge Ordinance and initiate any necessary amendments to effectively prohibit non-stormwater discharges in the City’s MS4 to the extent allowable under federal, state, and local laws, regulations, and ordinances.

Compliance with Permit Conditions

The City has reviewed current ordinances and no amendments are necessary at this time.

Appropriateness and Effectiveness of BMP/Progress towards Achieving Measurable Goal

Ensuring ordinances reflect the latest permit conditions to prohibit non-stormwater discharges into the City’s MS4 is an effective enforcement tool to mitigate illicit discharges to the MS4. The City will continue to enforce ordinances to the maximum extent practicable.

BMP 3(C) – Development, Implementation, and Update of Written IDDE Procedures

To detect and eliminate non-stormwater discharges to the MS4 the City will develop and implement written Illicit Discharge Detection and Elimination (IDDE) Standard Operating Procedures (SOPs) that will include: dry weather screening; addressing potential illicit discharge complaints from the public; determining sources of suspected discharges; elimination of illicit discharges; coordination with other agencies; and safety.

Compliance with Permit Conditions

Non-stormwater discharges are prohibited through ordinance. Written procedures to detect, identify, and address unauthorized non-stormwater discharges, including illegal dumping have been developed. Reference is hereby made to the “City of Fredericksburg Illicit Discharge Detection and Elimination (IDDE) Standard Operating Procedures Manual”. This manual is on file at the Community Planning & Building Department and available upon request. Over the course of the next reporting cycle this manual will be reviewed and updated as necessary to ensure that SOPs are consistent with field techniques and follow-up.

Appropriateness and Effectiveness of BMP/Progress towards Achieving Measurable Goal

Written procedures ensure effective and consistent classification and determination of illicit discharges and follow-up procedures to identify and eliminate the source of discharge. The City will continue to review, update, and implement its IDDE procedures.

BMP 3(D) – Public Reporting & Follow-up in Response to Illicit Discharge Complaints

Promote, publicize, and facilitate public reporting of illicit discharges into or from the City’s MS4 and conduct inspections in response to complaints, and where necessary ensure that corrective measures have been implemented by the responsible party.

Compliance with Permit Conditions

A hotline has been established on the City’s website to promote, publicize, and facilitate public reporting of illicit discharges: <http://www.fredericksburgva.gov/index.aspx?NID=476>. Any potential illicit discharges are followed up in accordance with the written IDDE SOP Manual.

For this reporting period no illicit discharges were reported.

Appropriateness and Effectiveness of BMP/Progress towards Achieving Measurable Goal

A website hotline and contact information to notify City officials of a potential Illicit discharges is effective in involving the public to make reports of suspected non-stormwater discharges. The City will continue to maintain a hotline and contact information for the public to notify about potential illicit discharges.

BMP 3(E) – HAZMAT Spill Response Program

Continue to implement the Hazardous Spill Response Program by the City Fire Department to mitigate entry of hazardous materials into the MS4.

Compliance with Permit Conditions

The City has continued to document hazardous spill response events and has included them in **Appendix C, HAZMAT Spill Response Log**.

Appropriateness and Effectiveness of BMP/Progress towards Achieving Measurable Goal

An effective Hazardous Spill Response Program has a direct impact to ensure that hazardous materials entering the MS4 system are limited. The City will continue to implement this program and track hazardous spill response events.

BMP 3(F) – Household Hazardous Waste Collection Program

Promote the proper disposal of household hazardous waste with the goal of preventing entry of such wastes into the MS4.

Compliance with Permit Conditions

Household Hazardous Waste Collection Events were held:

- October 28, 2017
- May 19, 2018 (Held at Stafford County Middle School, but open to City residents)

A copy of the event fliers for Household Hazardous Waste Collection Events is included in **Appendix B**.

Appropriateness and Effectiveness of BMP/Progress towards Achieving Measurable Goal

Household hazardous waste collection events give citizens an opportunity to properly dispose of materials that require special handling and disposal. In lieu of such events such items have the potential to enter the MS4 via dumping the materials. The City will continue to promote and hold household hazardous waste collection events to mitigate illicit discharge of such materials into the MS4.

BMP 3(G) – Notification to Downstream MS4 Operators

Notify downstream MS4 operators that their MS4s are physically interconnected to the City's MS4.

Compliance with Permit Conditions

Notification has recently been made to interconnected operators and will be reported again in the next reporting period. Formal notification was given to VDOT and the University of Mary Washington (UMW). The other interconnected locality is Spotsylvania County which does not operate under an MS4 permit. The City meets quarterly with other MS4 operators from VDOT, UMW, and Stafford County. A copy of notification letters sent and received has been provided in **Appendix D, Interconnection Notification Letters**.

Appropriateness and Effectiveness of BMP/Progress towards Achieving Measurable Goal

Notification to downstream operators is appropriate to provide clarification of MS4 service boundaries and responsibilities.

BMP 3(H) – Outfall Screening

Compliance with Permit Conditions

The City currently has 95 outfalls in the MS4 area. At a minimum the City is required to inspect at least 50 outfalls each permit year. Currently the City projects that each outfall will be inspected every other year with some outfalls being inspected every year. Outfalls were prioritized for selection in FY2018 and a total of 50 were screened. The City plans on conducting dry weather screening of at least 50 outfalls and follow up (if necessary) during FY2019.

Appropriateness and Effectiveness of BMP/Progress towards Achieving Measurable Goal

Outfall screening/dry weather monitoring is an appropriate mechanism to detect illicit discharges to the storm sewer system. The City will continue progress toward inspecting the minimum number of outfalls each year within the permit cycle.

BMP 3(I) – Septic Pump Out Program

Implement program to have all septic systems within CBPA pumped out every five years.

Compliance with Permit Conditions

All known septic systems within CBPA have been pumped out within the last five years. This program is tracked by and available in the Community Planning & Building Department.

Appropriateness and Effectiveness of BMP/Progress towards Achieving Measurable Goal

Requiring septic systems to be pumped out every five years especially in Chesapeake Bay Preservation Areas ensures that systems are functioning properly and within capacity so as not to fail prematurely or cause various nuisances/issues. The City will continue to monitor septic pump out and inform citizens when systems need to be pumped.

MINIMUM CONTROL MEASURE 4 – Construction Site Stormwater Runoff Control

The City has developed, implemented, and enforces procedures to address discharges into the MS4 from regulated land-disturbing activities.

BMP 4(A) – Administer Erosion and Sediment Control Program Consistent with State Regulations

The City of Fredericksburg will develop, implement, and enforce a program of plan review, site inspection and enforcement consistent with Erosion and Sediment Control Regulations (9VAC25-840) and the City of Fredericksburg Erosion and Sediment Control Ordinance which the City will update as needed for consistency with state regulations.

Compliance with Permit Conditions

The City's Erosion and Sediment Control program is currently deemed consistent with state requirements for a locally administered program.

Appropriateness and Effectiveness of BMP/Progress towards Achieving Measurable Goal

The City has implemented a program to address construction site runoff that is consistent with all applicable state requirements and will continue to implement an Erosion and Sediment Control program consistent with state regulations.

BMP 4(B) – Personnel Training and Certification for Plan Reviewer, Inspector, and Program Administrator
Plan reviewers, inspectors and program administrators will be trained and maintain certifications in Erosion and Sediment Control.

Compliance with Permit Conditions

Plan reviewers, inspectors, and appropriate managers in the Community Planning and Building Department maintain E&S certifications. A list of certified employees in the City of Fredericksburg can be found as an attachment in **Appendix E, VESCP/VSMP Staff Certifications**.

Appropriateness and Effectiveness of BMP/Progress towards Achieving Measurable Goal

Providing a list of personnel certified for erosion and sediment control ensures employees are up to date with required certifications to administer an effective Erosion and Sediment Control program. The City will continue to ensure the necessary employees are current with the required certifications.

BMP 4(C) – Administer and Implement Chesapeake Bay Program

Compliance with Permit Conditions

The City of Fredericksburg is a Chesapeake Bay Preservation locality. The City implements and enforces the Chesapeake Bay Preservation Area Designation and Management Regulations (9VAC25-830) through local ordinance and enforcement of development provisions for the City's Chesapeake Bay Preservation Overlay District.

Appropriateness and Effectiveness of BMP/Progress towards Achieving Measurable Goal

Adoption and enforcement of Chesapeake Bay regulations and ordinances reinforces stormwater management goals of the MS4 General Permit. The City will continue to enforce these regulations and requirements for development within Chesapeake Bay Preservation Areas.

BMP 4(D) – Land Disturbance Tracked in Annual Report

The operator shall track regulated land-disturbing activities and submit the following information in accordance with Section IIB 4f:

- (1) Total number of regulated land-disturbing activities;*
- (2) Total number of acres disturbed;*
- (3) Total number of inspections conducted; and*
- (4) Summary of enforcement actions taken, including the total number and type of enforcement actions taken during the reporting period.*

Compliance with Permit Conditions

The City of Fredericksburg tracks regulated land disturbing activities and the associated acreage. The City performed 254 erosion and sediment control inspections. They were for 53 new regulated land-disturbing activities in FY2018. A total of 54.61 new acres were disturbed. Each of these inspections includes elements of construction site stormwater runoff as well. The following list shows a total of 3 enforcement actions for FY2018, separated by type:

Illegal land disturbance activities, civil fines and court cases:

Chesapeake Bay Violations:

None

Notice to Comply:

None

Stop Work Orders:

309 Lansdowne Road – Civil Fine issued and paid, and permits issued; site plan was approved prior to land disturbing activities, however no permits were pulled or bonds posted

350 Lansdowne Road – Civil Fine issued and paid, compliant site plan in process

718 Sophia Street – Civil Fine was conditioned on getting approved site plan; site plan was approved and nutrient credits purchased

Revoked Bonds Erosion and Sediment Control:

None

Appropriateness and Effectiveness of BMP/Progress towards Achieving Measurable Goal

Individual inspection reports are available for all permitted land disturbing activities and available to DEQ upon request. The reports are effective in addressing the measurable goal. The City will continue to annually track land disturbing activities.

MINIMUM CONTROL MEASURE 5 – Post-construction Stormwater Management in New Development and Redevelopment

The City has developed, implemented, and enforces procedures to address post-construction stormwater runoff into the MS4 from regulated land-disturbing activities.

BMP 5(A) – Administer Virginia Stormwater Management Program Consistent with State Regulations
The City of Fredericksburg will develop, implement, and enforce a program of plan review, site inspection and enforcement consistent with Virginia Stormwater Management Program Regulations (9VAC25-870) and the City of Fredericksburg Virginia Stormwater Management Program Ordinance which the City will update as needed for consistency with state regulations.

Compliance with Permit Conditions

The City of Fredericksburg implements and enforces a stormwater management program consistent with state regulations. The City ensures stormwater management facilities are designed and installed in accordance with the appropriate water quality and water quantity design criteria (9VAC25-870), state and local design criteria, and any Department approved annual standards and specifications.

Appropriateness and Effectiveness of BMP/Progress towards Achieving Measurable Goal

The City of Fredericksburg's VSMP has been approved and is in compliance with state regulations. Controlling the quality and quantity of stormwater discharged to surface waters to required levels protects the environment. The City will continue to implement a Stormwater Management program consistent with State regulations.

BMP 5(B) – Develop/Present Seminar for HOAs on Stormwater Management Facility Maintenance
Educate Homeowners' Associations (HOAs) that are responsible for stormwater management facilities on the requirements for and proper maintenance of these facilities. This effort will also help raise awareness of the local community to the purpose of these facilities and the need for proper maintenance and address Public Education & Outreach goals under MCM 1.

Compliance with Permit Conditions

This effort is still ongoing. The City plans to create educational materials for routine maintenance and information about stormwater management facilities. Furthermore lists are being developed for private facility owners for Contractors and Engineers who can perform maintenance and inspections for these facilities.

Appropriateness and Effectiveness of BMP/Progress towards Achieving Measurable Goal

Educating private facility owners about their responsibilities and maintenance procedures is instrumental in ensuring that facilities are operating as designed and performing as intended. The City will continue to develop educational materials for private facility engineers, facilitate maintenance, and engage the owners whenever possible.

BMP 5(C) – Long-term Operation and Maintenance of Stormwater Management Facilities Procedures
The City will develop written procedures for inspection, maintenance, and enforcement of maintenance agreements (when applicable) for stormwater management facilities located within or discharging into the MS4.

Compliance with Permit Conditions

Written procedures for inspection, maintenance, and enforcement have been developed. Reference is hereby made to the “Stormwater Best Management Practices Inspection and Operation & Maintenance Plan” (BMP IO&M Plan). This manual is on file at the Community Planning & Building Department and available upon request. Over the course of the next reporting cycle this plan will be reviewed and updated as necessary to ensure that these written procedures are consistent with current practices.

Appropriateness and Effectiveness of BMP/Progress towards Achieving Measurable Goal

Written procedures ensure that City officials and private facility owners who are responsible for maintaining facilities and having inspections conducted know what the procedures and expectations are to ensure proper working order of the facility. These procedures also help provide continuity and consistency throughout the BMP agreement enforcement program. The City will continue to review and implement these written procedures.

BMP 5(D) – Privately-Owned Stormwater Management Facilities

For privately-owned stormwater management facilities (including individual residential lots), The City of Fredericksburg ensures long term care and maintenance through the use of a recorded maintenance agreement, or with the combination of a drainage easement and a maintenance agreement. In concurrence with the maintenance agreement is an inspection schedule (at least once every 5 years) and enforcement strategy.

Compliance with Permit Conditions

The City of Fredericksburg requires maintenance agreements for all new private stormwater facilities. Maintenance agreements require periodic inspections in order to determine if privately managed facilities are being properly maintained.

The agreement requires adequate long-term operation and maintenance by the owner of structural stormwater management facilities. The City provides enforcement of maintenance responsibilities.

Appropriateness and Effectiveness of BMP/Progress towards Achieving Measurable Goal

Maintaining records of inspection and maintenance are effective ways to ensure the proper operation and maintenance of stormwater facilities. The City will continue to ensure long-term operation and maintenance of privately-owned facilities.

BMP 5(E) – Operator-Owned Stormwater Management Facilities

The City of Fredericksburg provides adequate long-term operation and maintenance services for operator-owned stormwater management facilities. The City maintains procedures for inspection, compliance, and enforcement.

Compliance with Permit Conditions

Publicly owned and operated stormwater facilities are inspected by the City of Fredericksburg Department of Public Works. Inspections for publicly owned stormwater basins that serve a specific City-owned property will be performed annually.

Appropriateness and Effectiveness of BMP/Progress towards Achieving Measurable Goal

Maintaining records of inspection and maintenance are effective ways to ensure the proper operation and maintenance of stormwater facilities. The City will continue to ensure long-term operation and maintenance of operator-owned facilities.

BMP 5(F) – Stormwater Management Facility Tracking

The City of Fredericksburg will track all known permanent stormwater management facilities that discharge to the regulated small MS4 and submit the required information.

Compliance with Permit Conditions

The City maintains a database of all public and private stormwater management facilities that contain relevant fields for BMP characteristics, features, location, and owner contact information.

As part of its ongoing MS4 compliance activities, the City will be doing a thorough review of all facilities to initiate inspection activities and enforcement actions.

Appropriateness and Effectiveness of BMP/Progress towards Achieving Measurable Goal

Maintaining records of inspection and maintenance are effective ways to ensure the proper operation and maintenance of stormwater facilities. As noted above the City will be focusing attention on inspections and maintenance compliance in the upcoming FY. The City will continue to track all known permanent stormwater management facilities.

MINIMUM CONTROL MEASURE 6 – Pollution Prevention/Good Housekeeping for Municipal Operations

The City of Fredericksburg will implement daily operational procedures, identify all municipal high-priority facilities, identify all applicable lands where nutrients are applied to a contiguous area of more than one acre, and conduct training for employees.

BMP 6(A) – Daily Good Housekeeping Procedures

The City has developed written procedures for pollution prevention and good housekeeping of municipal facilities. Guidance is designed to minimize or prevent pollutant discharges to the storm sewer system from activities such as road, street, and parking lot maintenance; equipment maintenance; and the application, storage, transport, and disposal of pesticides, herbicides, and fertilizers.

Compliance with Permit Conditions

The City has developed guidance which will be implemented in accordance with the Table 1 schedule. Applicable municipal facilities are responsible for managing solid waste, performing maintenance for roads and streets, equipment maintenance, and facilities that store, transport, and apply herbicides and fertilizers. Pollution prevention documents are a component of the SWPPPs and SOPs prepared for the City Shop and Parks and Recreation facilities.

Appropriateness and Effectiveness of BMP/Progress towards Achieving Measurable Goal

Daily good housekeeping of municipal facilities is essential to preventing pollutant discharges into the storm sewer system and downstream surface waters. City employees at municipal facilities are aware of the proper handling of materials that have the potential to pollute if mishandled. The City will continue to maintain good housekeeping procedures and progress towards implementation.

BMP 6(B) – Identify High Priority Facilities and Develop SWPPPs

The City will identify all municipal, high priority facilities including those that have a high potential for discharging pollutants and develop Stormwater Pollution Prevention Plans (SWPPPs) for those facilities.

Compliance with Permit Conditions

The City has identified all applicable municipal, high priority facilities that have a high potential for discharging pollutants from vehicle operations, equipment maintenance, and the application, storage, transport and disposal of pesticides, herbicides, and fertilizers. The facilities identified and statuses of SWPPP development are listed below:

- City Shop: SWPPP Complete
- Parks & Recreation: SWPPP Complete
- City Shops Operations: SOPs Complete

BMP 6(C) – Nutrient Management Plan Locations and Development

The City has identified all applicable land where nutrients are applied to a contiguous area of more than one acre. The City will develop and implement a NMP prepared by a Certified Turf and Landscape Nutrient Management Planner in accordance with §10.1-104.2 of the Code of Virginia for all lands owned or operated by the MS4 operator where nutrients are applied to a contiguous area greater than one acre.

Compliance with Permit Conditions

The City has identified all applicable lands where nutrients are applied to a contiguous area of more than one acre within the 2000 urbanized area:

- Dixon Park; 15.1 acres – NMP Complete
- Old Mill Park; XX acres – Previously identified, however no nutrient application is applied at this location
- Maury Stadium; 1.3 acres – NMP Complete
- James Monroe High School Interior Track & Field Hockey Fields; 3.1 acres – NMP Complete
- Walker- Grant Middle School Baseball Field; 2.1 acres – NMP Complete

The implementation schedule requires 15% of identified acres to be covered by a NMP within 24 months, 40% within 36 months, 75% within 48 months, and 100% within 60 months. NMPs were prepared the FY for Maury Stadium, James Monroe High School fields, and Walker-Grant Middle School Baseball Field.

Appropriateness and Effectiveness of BMP/Progress towards Achieving Measurable Goal

By developing and implementing NMPs on City-owned property where nutrients are applied to large areas, the City can effectively mitigate stormwater nutrient runoff to the MS4 in areas where those nutrients are more heavily applied. The City will continue to develop NMPs for all identified sites and implement by the end of the permit cycle.

BMP 6(D) – Annual Training for City Staff

The City will develop and implement an annual training plan for City employees to educate personnel in the recognition and reporting of illicit discharges, and provide training regarding good housekeeping and pollution prevention practices to be employed during road, street, and parking lot maintenance; in and around maintenance and public works facilities; and in and around recreational facilities.

Compliance with Permit Conditions

Annual training was conducted in years 1 and 2 of the current permit cycle. There was no annual training conducted this year, but annual training will resume in the upcoming permit years consistent with requirements of the new MS4 permit and subsequent program planning.

Appropriateness and Effectiveness of BMP/Progress towards Achieving Measurable Goal

Annual training for City employees ensures that staff is aware of how to respond to illicit discharges and pollution prevention practices to support daily operations and mitigate potential non-stormwater discharges to the MS4. The City will continue to provide training to its employees so that proper procedures can be implemented when necessary.

BMP 6(E) – Compliance with Virginia Pesticide Control Act

The City of Fredericksburg will ensure/require that all employees and/or private contractors who apply pesticides and herbicides receive proper training and certification in accordance with the Virginia Pesticide Control Act.

Compliance with Permit Conditions

Employees who apply pesticides and herbicides are properly trained and certified in accordance with the Virginia Pesticide Control Act. A list of certifications is maintained on file at the Parks, Recreation & Public Facilities Department. The City does not contract out any pesticide or herbicide applicators. The City does contract pest treatment at facility buildings.

Appropriateness and Effectiveness of BMP/Progress towards Achieving Measurable Goal

Maintaining certifications for compliance with the Virginia Pesticide Control Act ensures that pesticides and herbicides are applied on City property responsibly and effectively to minimize impacts to the MS4 and downstream surface waters. The City will continue to ensure that employees and contractors have the required certifications for applications.

BMP 6(F) – Spill Response Training for Emergency Responders

Compliance with Permit Conditions

The City of Fredericksburg Fire Department requires personnel to maintain the minimum level of training in Hazardous Material Operations, in accordance with NFPA 1001, NFPA 742, and OSHA 1910.120. The Department also maintains and operates a Virginia Department of Emergency Management Hazardous Materials Response team with personnel trained to the levels of Technician and/or Specialist. All initial training is conducted in accordance with Fire Department policy, and as mandated by the Virginia Department of Emergency Management. Documentation of training is on file at the Fire Department and available upon request.

Appropriateness and Effectiveness of BMP/Progress towards Achieving Measurable Goal

Since emergency responders are often the first officials on scene during incidents where spills occur they are critical in stopping and responding to spills that could enter the MS4. Training for these responders will continue as they are instrumental in protecting the MS4 from potential illicit discharges.

BMP 6(G) – Maintain Training Documentation

Maintain required documentation on each training event required under MCM 6 for a period of three years after each training event.

Compliance with Permit Conditions

Documentation for training conducted in previous years of the permit cycle was provided in previous annual reports. For FY18 no formal training was conducted, however training will resume in upcoming FYs consistent with the new MS4 permit conditions and subsequent program planning.

Appropriateness and Effectiveness of BMP/Progress towards Achieving Measurable Goal

Maintaining documentation ensures that the proper City Staff is trained and provides a tool for how to implement and target future training. The City will continue to document training efforts and attendance.

BMP 6(H) – Procedures for Municipal Contractors

The City of Fredericksburg requires that all municipal contractors use appropriate control measures and procedures for stormwater discharges to the City's MS4 and has included oversight procedures in the City's MS4 Program Plan.

Compliance with Permit Conditions

Municipal contractors must apply for a “Special Excavation Permit” to work within the City’s Right of Way (ROW). The Permit requires that appropriate control measures and procedures for stormwater discharges are adhered to utilizing appropriate BMP practices such as, silt fence, inlet protection, designated concrete washout areas, etc. depending on the location and type of work being performed in the ROW. Also the City requires dumpster permits which require the use of covers during a runoff producing event since these types of indirect stormwater runoff can produce pollutants that can enter the MS4.

In instances where City contractors are performing land disturbance, all necessary plan submittals, reviews, and permits to satisfy state and local VESCP and VSMP regulations are required prior to the start of land disturbance. These types of activities are treated like any other private development or redevelopment in the City.

Appropriateness and Effectiveness of BMP/Progress towards Achieving Measurable Goal

Work performed by municipal contractors, especially within the ROW or associated with land disturbance has an increased potential to impact the MS4. By requiring contractors to apply for and obtain necessary permits the City can ensure that conditions are in place to control stormwater discharges from these activities to the MS4. The City will continue to require its contractors to follow necessary procedures for work within the City.

BMP 6(I) – Street Sweeping Program

Compliance with Permit Conditions

For this reporting year street sweeping efforts collected and disposed of 216.4 tons.

Appropriateness and Effectiveness of BMP/Progress towards Achieving Measurable Goal

Street sweeping is an effective BMP to remove dirt/debris/sediment and associated nutrients from City streets that have a potential to enter surface water through the MS4. The City will continue street sweeping efforts to achieve TMDL goals and report on tonnage removed annually.

BMP 6(J) – Leaf Collection Program

Compliance with Permit Conditions

For this reporting year leaf collection efforts collected and disposed of 529.8 tons.

Appropriateness and Effectiveness of BMP/Progress towards Achieving Measurable Goal

Leaf collection is an effective BMP to remove leaves before they are decomposed and enter collection systems. Furthermore leaf collection also prevents clogging up of stormwater conveyance systems. The City will continue leaf collection and report on tonnage removed annually.

BMP 6(K) – Stormwater Collection Infrastructure Maintenance

Compliance with Permit Conditions

During this reporting period the following maintenance activities occurred:

- Storm Drain Inlets Repaired or Reconstructed: 29
- Storm Drain Inlets Cleaned: 1,113
- Storm Sewer Pipes Cleaned and Repaired: 8
- Ditches Cleaned and Repaired: 115
- Major Drainage Projects: 0
- Total Pounds of Debris Removed: 33,215 lbs (16.6 tons)

Appropriateness and Effectiveness of BMP/Progress towards Achieving Measurable Goal

Annual maintenance and repair efforts for stormwater collection infrastructure ensures that the MS4 is functioning as intended to provide proper drainage and stormwater conveyance. Maintenance efforts also remove debris and materials that could enter surface waters and helps identify future repairs. The City will continue maintenance on its stormwater collection infrastructure.

**CERTIFICATION STATEMENT AND SIGNATORY REQUIREMENTS
FOR MS4 PERMIT APPLICATIONS AND REPORTS**

As required by 9VAC25-870-370 B, all reports required by state permits, and other information requested by the board shall, be signed by a responsible official or by a duly authorized representative of that person. A responsible official is:

1. For a corporation: by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means: (i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy-making or decision-making functions for the corporation, or (ii) the manager of one or more manufacturing, production, or operating facilities, provided the manager is authorized to make management decisions that govern the operation of the regulated facility, including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for state permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;
2. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
3. For a municipality, state, federal, or other public agency: by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a federal agency includes (i) the chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.

A person is a duly authorized representative only if:

1. The authorization is made in writing by a person described above;
2. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. A duly authorized representative may thus be either a named individual or any individual occupying a named position; and
3. The written authorization is submitted to the department.

CERTIFICATION

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.

26

Responsible Official Signature

10/30/18
Date

VAR040058

City of Fredericksburg

Permit Number

MS4 Name

Appendix A

Three High Priority Water Quality Issues Program Data

Appendix B

Solid Waste Event Fliers

Cigarette Butt Campaign

Program Overview:

This is the fifth year (Reporting period FY2018) of implementation of this high water quality issue. This reporting period goal was to continue to promote and advance the “Butts Are Litter Too” activities and awareness of this water quality issue. Cigarette butts identified as litter remain a Class I Misdemeanor offense with up to a \$2500 fine and/or 40 hours of community service. The specific code section is referenced here: <http://www.ecode260.com/28967507?highlight=littering,litter>

The “Butts Are Litter Too” Campaign that took place during FY2017 was highly successful in raising awareness and promoting this issue. Another similar campaign is slated during the FY2019 fiscal year.

Ongoing Activities:

- Refilled existing buckets and distributed additional buckets
- Purchase, assembly (drill holes, cut out liner, fill with sand) and delivery of sand buckets with litter scoop to businesses and organizations downtown
- Purchase and installation of additional metal butt receptacles on trash cans in the downtown area
- Portable A-frame sign posting throughout problem areas at different times to raise awareness

Pet Waste Campaign

Program Overview:

This is the fifth year (Reporting period FY2018) of implementation of this high water quality issue. The goal for this reporting period was to continue the ongoing efforts of previous years. During this reporting period the following ongoing activities were conducted:

- Monitoring of pet waste stations with signage and analysis of additional stations
- Stocking of "Mutt Mitt" bags at stations
- Monitoring of posted "Clean Up" signs and installation of new signs at new locations as needed
- Continue posting information on the City's website

The estimated number of people reached and targeted audience is the licensed pet owners in the City and the numerous visitors with pets that utilize these facilities within the City. Also, potential exposure includes not only the City of Fredericksburg's local population of 28,213 (based on last census data), but the additional 210,000 people that visit Fredericksburg (taken from the Fredericksburg Visitors' Center data for 2014).

River Clean Up Campaign

Program Overview:

This is the fifth year (Reporting period FY2018) of implementation of this high water quality issue. This reporting period plan was to again target areas of the Rappahannock River that front the City. Trash receptacles have been placed at strategic locations along the river and trail systems that abut the river, and along the canal that runs through the City. The River Cleanup Campaign for this period was composed of several dates in the fall and spring months.

It is estimated that the target audience that will be reached is hard to quantify, however these events are advertised in the local newspaper with a circulation of 46-50k copies, and posted on various organization websites that partner with the City, including the Friends of the Rappahannock and the American Canoe Association in addition to the City's website.

Summary/Results:

Annually for all of FY2018:

- 464 volunteers
- 1,360 volunteer hours
- 30 sites
- 11,445 pounds (5.73 tons) of trash removed

Appendix B

Solid Waste Event Fliers

FALL CLEANUP TIME IN THE CITY!

COMMUNITY CLEANUP WEEK

Sat, September 30 – Sun, October 8

Clean up your business, yard & neighborhood

For information call 372-1023

CONTAINER LOCATIONS/Community Cleanup Week
Take furniture, tires, appliances, brush, scrap materials
to centralized locations in the City

(NO) household trash, paint, hazardous materials):

- SUMMIT STREET (Mayfield)
- 1400 BLOCK OF KENMORE AVENUE (beside Cossey Botanical Park)
- FREEDOM LANE (in gravel lot between VFW and Falmouth Bridge)
- ALTOONA DRIVE (Sam Perry Fire House)
- RAPPAHANNOCK AVENUE (at Payne Street)
- BRAEHEAD WOODS (near Meade Ct.)
- CHADWICK COURT

Appliance Pickup Day
Tuesday,
October 3.
To request an
appliance pickup,
Call
372-1023
by 4:30 p.m. Monday,
October 2.

Hazardous Household Waste Collection Day

Sat, Oct 28, 2017

9am-3pm

City Shop parking lot

1000 Tyler St

See Cox Cable channel 84 or visit: www.fredericksburgva.gov for more details

Sponsored by Rappahannock Regional Solid Waste Management Board (R-Board) and the City of Fredericksburg

2017
Fall HHW
Day

Household Hazardous Waste Collection

Saturday
October 28
City Shop
Parking Lot
9 A.M. - 3 P.M.



1000 Tyler Street
Fredericksburg

ACCEPTED DAILY: Fluorescent bulbs, motor oil, antifreeze, and auto batteries. For more information and directions, please visit our website at www.r-board.org. Call 540-658-8680 with questions. Medical or radioactive waste will not be accepted!
The HHW Collection is provided free of charge for Stafford County and Fredericksburg City residents.

BUG SPRAY · FLOOR CARE SOLVENTS · FURNITURE POLISH · METAL POLISH · TRANSMISSION FLUID · BATTERY ACID · BRAKE FLUID · CAR WAX · DIESEL FUEL · FUEL OIL · GASOLINE · KEROSENE · CUTTING OIL · SOLVENT-BASED GLUE · LATEX PAINT · OIL-BASED PAINT · PAINT THINNER · PAINT STRIPPER · PRIMER · TURPENTINE · VARNISH · WOOD PRESERVATIVE · FUNGICIDE · HERBICIDE · INSECTICIDE · RAT POISON · WEED KILLER · ARTIST'S PAINTS · DRY CLEANING SOLVENTS · FIBERGLASS EPOXY · GUN CLEANING SOLVENTS · LIGHTER FLUID · MERCURY BATTERIES & THERMOMETERS · MOTH BALLS · PHOTO CHEMICALS · SWIMMING POOL CHEMICALS · DRY CELL BATTERIES

SPRING CLEANUP TIME IN THE CITY

COMMUNITY CLEANUP WEEK

Sat, April 7 – Sun, April 15, 2018

Clean up your business, yard & neighborhood

For information call 372-1023

CONTAINER LOCATIONS/Community Cleanup Week

Take furniture, tires, appliances, brush, scrap materials
(**NO** household trash, paint, or hazardous materials)
to centralized locations in the City:

- **SUMMIT STREET** (Mayfield)
- **1400 BLOCK OF KENMORE AVENUE** (beside Cossey Botanical Park)
- **FREEDOM LANE** (in gravel lot between VFW and Falmouth Bridge)
- **ALTOONA DRIVE** (Sam Perry Fire House)
- **RAPPAHANNOCK AVENUE** (at Payne Street)
- **BRAEHEAD WOODS** (near Meade Ct.)
- **CHADWICK COURT** and **IVANHOE COURT**

Appliance Pickup Day
Tuesday, April 10

To request an
appliance pickup,
Call
372-1023
by **4:00 p.m. Monday,**
April 9

Household Hazardous Materials Collection Day

NEW LOCATION:

Stafford Middle School parking lot
101 Spartan Dr, Stafford, VA

Saturday, May 19, 2018 9 am – 3 pm

See Cox Cable channel 84 or visit: www.fredericksburgva.gov for more details

Sponsored by Rappahannock Regional Solid Waste Management Board (R-Board) and the City of Fredericksburg

2018
Spring
HHW Day

Household Hazardous Waste Collection

Saturday
May 19
Stafford
Middle School
Parking Lot
9 A.M. - 3 P.M.



ACCEPTED DAILY: Fluorescent bulbs, motor oil, antifreeze, and auto batteries. For more information and directions, please visit our website at www.r-board.org. Call 540-658-8680 with questions. Medical or radioactive waste will not be accepted!
The HHW Collection is provided free of charge for Stafford County and Fredericksburg City residents.

101 Spartan Drive
Stafford

BUG SPRAY · FLOOR CARE SOLVENTS · FURNITURE POLISH · METAL POLISH · TRANSMISSION FLUID · BATTERY ACID · BRAKE FLUID · CAR WAX · DIESEL FUEL · FUEL OIL · GASOLINE · KEROSENE · CUTTING OIL · SOLVENT-BASED GLUE · LATEX PAINT · OIL-BASED PAINT · PAINT THINNER · PAINT STRIPPER · PRIMER · TURPENTINE · VARNISH · WOOD PRESERVATIVE · FUNGICIDE · HERBICIDE · INSECTICIDE · RAT POISON · WEED KILLER · ARTIST'S PAINTS · DRY CLEANING SOLVENTS · FIBERGLASS EPOXY · GUN CLEANING SOLVENTS · LIGHTER FLUID · MERCURY BATTERIES & THERMOMETERS · MOTH BALLS · PHOTO CHEMICALS · SWIMMING POOL CHEMICALS · DRY CELL BATTERIES

Appendix C

HAZMAT Spill Response Log

HAZMAT Spill Response Log; July 1, 2017 – June 30, 2018

There were no HAZMAT spill responses reported for this period.

Appendix D

Interconnection Notification Letters



UNIVERSITY OF
MARY WASHINGTON

where great minds get to work

July 31, 2017

John M. Saunders, P. E.
Senior Environmental Planner
Planning Services Division
City of Fredericksburg, Virginia 22404

Re: Municipal Separate Storm Sewer System (MS4)
Notice of Storm Sewer Interconnectivity

Dear Mr. Saunders,

The University of Mary Washington operates under a Phase II Municipal Separate Storm Sewer System (MS4) General Permit # VAR040094.

The purpose of this letter is to acknowledge the potential for interconnections between the storm sewer systems operated by the University of Mary Washington and the storm sewer systems operated by the City of Fredericksburg. The provisions of the MS4 regulations (9VAC25-890-40 Sec. IIB.3.f.(1)) require notification in writing to any regulated MS4 if there are physical interconnections between the MS4s. This letter is provided to meet the notification requirement of the regulations. No actions are required on the part of the city of Fredericksburg.

If you have any questions regarding this matter, please feel free to contact me at (540) 654-2100 or ajohnso3@umw.edu.

Regards,

A. Leslie Johnson, Jr.
Project Manager, Capital Outlay Department
University of Mary Washington

cc: Richard Pearce, VP, Administration & Finance
John Wiltenmuth, AVP, Facilities Services
file

CITY COUNCIL
MARY KATHERINE GREENLAW, MAYOR

WILLIAM C. WITHERS, JR., VICE-MAYOR
WARD TWO

KERRY P. DEVINE
AT LARGE

TIMOTHY P. DUFFY, PH.D.
WARD THREE

BRADFORD C. ELLIS
WARD ONE

CHARLIE L. FRYE, JR.
WARD FOUR

MATTHEW J. KELLY
AT LARGE

COMMUNITY PLANNING & BUILDING DEPARTMENT

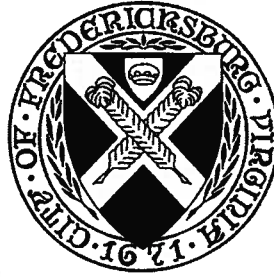
CHARLES R. JOHNSTON, AICP CNU-A, DIRECTOR

P.O. BOX 7447

715 PRINCESS ANNE STREET
FREDERICKSBURG, VIRGINIA 22404
PHONE: 540-372-1179

FAX: 540-372-6412
WWW.FREDERICKSBURGVA.GOV

TIMOTHY J. BAROODY
CITY MANAGER



CITY OF FREDERICKSBURG

September 22, 2017

Les Johnson
Capital Outlay Project Manager
University of Mary Washington
1301 College Avenue
Fredericksburg, VA 22401

Subject: Municipal Separate Storm Sewer (MS4) General Permit, Interconnected Storm Sewer Systems

Mr. Johnson:

The City of Fredericksburg operates under a Phase II Municipal Separate Storm Sewer System (MS4) General Permit (permit # VAR040058).

The purpose of this letter is to acknowledge the potential for interconnections between the storm sewer systems operated by the City of Fredericksburg and the storm sewer systems operated by the University of Mary Washington. The provisions of the MS4 regulations (9VAC25-890-40 Sec. IIB.3.f.(1)) require notification in writing to any regulated MS4 if there are physical interconnections between the MS4s. This letter is provided to meet the notification requirement of the regulations. No actions are required on the part of the University of Mary Washington.

If you have any questions regarding this matter, please feel free to contact me at (540) 372-1179 ext. 280 or jmsaunders@fredericksburg.va.gov.

Sincerely,

John M. Saunders, P.E.
Senior Environmental Planner
Planning Services Division

Cc: Tim Baroody, City Manager
Doug Fawcett, Assistant City Manager
Dave King, Director of Public Works

CITY COUNCIL
MARY KATHERINE GREENLAW, MAYOR

WILLIAM C. WITHERS, JR., VICE-MAYOR
WARD TWO

KERRY P. DEVINE
AT LARGE

TIMOTHY P. DUFFY, PH.D.
WARD THREE

BRADFORD C. ELLIS
WARD ONE

CHARLIE L. FRYE, JR.
WARD FOUR

MATTHEW J. KELLY
AT LARGE

COMMUNITY PLANNING & BUILDING DEPARTMENT

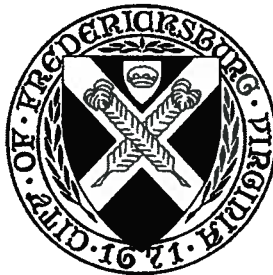
CHARLES R. JOHNSTON, AICP CNU-A, DIRECTOR

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TIMOTHY J. BAROODY
CITY MANAGER



CITY OF FREDERICKSBURG

September 22, 2017

Debra Switzer
Culpeper/Fredericksburg MS4 Coordinator
VDOT – Fredericksburg District
87 Deacon Road
Fredericksburg, VA 22405

Subject: Municipal Separate Storm Sewer (MS4) General Permit, Interconnected Storm Sewer Systems

Ms. Switzer:

The City of Fredericksburg operates under a Phase II Municipal Separate Storm Sewer System (MS4) General Permit (permit # VAR040058).

The purpose of this letter is to acknowledge the potential for interconnections between the storm sewer systems operated by the City of Fredericksburg and the storm sewer systems operated by VDOT. The provisions of the MS4 regulations (9VAC25-890-40 Sec. IIB.3.f(1)) require notification in writing to any regulated MS4 if there are physical interconnections between the MS4s. This letter is provided to meet the notification requirement of the regulations. No actions are required on the part of VDOT.

If you have any questions regarding this matter, please feel free to contact me at (540) 372-1179 ext. 280 or jmsaunders@fredericksburg.va.gov.

Sincerely,

John M. Saunders, P.E.
Senior Environmental Planner
Planning Services Division

Cc: Carolyn Oster, P.E.; Hydraulics Engineer; VDOT – Fredericksburg District; 87 Deacon Road; Fredericksburg, VA 22405
Chris Swanson, P.E.; State MS4/Stormwater Management Engineer; VDOT - Location and Design Division; 1401 East Broad Street; Richmond, VA 23219
Tim Baroody, City Manager
Doug Fawcett, Assistant City Manager
Dave King, Director of Public Works

Appendix E

VESCP/VSMP Staff Certifications

#	Last Name	First Name	Certification Type	Certification #	Expiration Date	Dept
1	Amin	Bassam	E&SC Combined Administrator	196	11/30/2021	Public Works
2	Bahre	Tim	E&SC Inspector	2667	11/30/2021	Planning & Building
3	Beyer	Diane	E&SC Inspector	5715	11/30/2021	Public Works
4	Johnson	Paula	E&SC Inspector	3753	11/30/2019	Planning & Building
5	Saunders	John	Dual Combined Administrator	DCA0146	11/14/2020	Planning & Building
6	Utt	Kevin	Dual Combined Administrator	DCA0375	4/27/2021	Planning & Building