

City of Fairfax, Virginia

Municipal Separate Storm Sewer (MS4)  
Program Plan



City of Fairfax, Virginia  
Public Works – Stormwater  
10455 Armstrong Street, Room 200  
Fairfax, VA 22030

Version 06/2022

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## MS4 PROGRAM PLAN CERTIFICATION

As required by the MS4 General Permit, Part III. K. 4.

"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."

Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

## SIGNATORY AUTHORIZATIONS

Part III. K. of the General Virginia Pollutant Discharge Elimination System (VPDES) Permit for Discharges of Stormwater from Small Municipal Separate Storm Sewer Systems (MS4), or MS4 General Permit, establishes signatory requirements for the submission of registration statements, reports, and other information.

The following positions are authorized under Part III. K. to sign all registration statements, reports, and other information:

- Principal Executive Officer<sup>1</sup>
- Ranking Elected Official

In addition, the aforementioned officials are permitted to provide authorization for other “persons” to sign reports required by state permits, including annual reports and other information requested by the State Water Control Board (SWCB) or Department of Environmental Quality (DEQ). Other “persons” are considered duly authorized to sign these reports and other information only if:

1. Authorization is made in writing by either a principal executive officer or a ranking elected official;
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 operator (a duly authorized representative may thus be either a named individual or any individual occupying a named position); and
3. The signed and dated written authorization is submitted to DEQ.

### City of Fairfax, VA Duly Authorized Positions

Per Part III. K. of the MS4 General Permit, the following City of Fairfax positions (job titles) are duly authorized to sign reports and other information requested by the SWCB or DEQ:

- Director of Public Works
- Public Works Program Manager

This authorization is provided by:

Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

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<sup>1</sup> A principal executive officer of a public agency is defined as the chief executive officer of the agency or a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.

## ACRONYMS

The following acronyms are utilized in this document.

BMP	Best Management Practice
CBPA	Chesapeake Bay Preservation Act
CDP	City of Fairfax, VA – Department of Community Development and Planning
CFD	City of Fairfax, VA Fire Department
City	City of Fairfax, VA
CWA	Federal Clean Water Act
CWP	Northern Virginia Regional Commission – Clean Water Partners
DEQ	Virginia Department of Environmental Quality
DPR	City of Fairfax, VA – Department of Parks and Recreation
DPW	City of Fairfax, VA – Department of Public Works
DPW – AED	DPW – Administration and Environmental Division
DPW – Operations	DPW – Operations Division
DPW – Streets	DPW – Streets Division
DPW – Wastewater	DPW – Wastewater Division
EvSC	Environmental Sustainability Committee
EPA	United States Environmental Protection Agency
ESC	Erosion and Sediment Control
FPS	City of Fairfax Public Schools
GH	Good Housekeeping
GIS	Geographic Information System
GMU	George Mason University
HUC	Hydrologic Unit Code
HHW	Household Hazardous Waste
IDDE	Illicit Discharge Detection and Elimination
MCM	Minimum Control Measure
MEP	Maximum Extent Practicable
MOA	Memorandum of Agreement
MS4	Municipal Separate Storm Sewer System
NMP	Nutrient Management Plan
NPDES	National Pollutant Discharge Elimination System
NVRC	Northern Virginia Regional Commission
NVCWP	Northern Virginia Clean Water Partners
NVSWCD	Northern Virginia Soil and Water Conservation District
PEOP	Public Education and Outreach Program

PFM	Public Facilities Manual
POTW	Publicly Owned Treatment Works
POC	Pollutants of Concern
PY	Permit Year
SOP	Standard Operating Procedure
SWCB	State Water Control Board
SWM	Stormwater Management
SWPPP	Stormwater Pollution Prevention Plan
TMDL	Total Maximum Daily Load
UA	United States Census Bureau Urbanized Area
US	United States
VA	Virginia
VAC	Virginia Administrative Code
VCAP	Virginia Conservation Assistance Program
VESCP	Virginia Erosion and Sediment Control Program
VDOT	Virginia Department of Transportation
VPDES	Virginia Pollutant Discharge Elimination System
VSMP	Virginia Stormwater Management Program

## MS4 PROGRAM PLAN REFERENCE LIBRARY - DOCUMENTS

The following documents are referenced in this document and are necessary for the implementation of the MS4 Program. These documents combined the MS4 Program Reference Webpages are identified as the City’s MS4 Program Plan Reference Library.

Name	Version Date
City of Fairfax MS4 General Permit – Notice of Coverage	11/2018
City of Fairfax Stormwater Public Education and Outreach Opportunities and Documentation Form	3/2022
City of Fairfax Stormwater Public Participation Initiative and Documentation Form with Northern Virginia SWCD MOU	3/2022
Northern Virginia Regional Commission FY22 NVCWP Invoice	1/2022
Notice of Potential Physically Interconnected Stormwater Systems – Fairfax County	10/2015
Notice of Potential Physically Interconnected Stormwater Systems – George Mason University	10/2015
Notice of Potential Physically Interconnected Stormwater Systems – VDOT	10/2015
Illicit Discharge Detection and Elimination Procedures	03/2021
City of Fairfax Site Plan Package	10/2016
City of Fairfax House Grading Plan	10/2016
ESC Policies and Procedures – Inspection	3/2022
ESC Policies and Procedures – Enforcement	3/2022
City of Fairfax – DEQ VSMP Authorization	7/2014
City of Fairfax VSMP Responsibility Chart	7/2014
VSMP Policies and Procedures – General Overview	7/2014
VSMP Authority Permit Application (>1 acre)	7/2014
VSMP Authority Permit Application (<2,500 sq. ft. – <1 acre)	7/2014
Standard Best Management Practices Facilities Maintenance and Monitoring Agreement	2/2018
VSMP Policies and Procedures – Inspection	3/2022
VSMP Policy and Procedures – Enforcement	3/2022
VSMP Policy and Procedures – City SWM Facility Inspection & Maintenance	3/2022
VSMP Policy and Procedures – Private SWM Facility Inspection & Maintenance	3/2022
GH SOP – General Pollution Prevention and Good Housekeeping	3/2022
GH SOP – Illicit Discharges and Spill Response	3/2022
GH SOP – Landscaping and Grounds Maintenance	3/2022
GH SOP – Non-Stormwater Discharges	3/2022
GH SOP – Road Street and Parking Lot Maintenance	3/2022
GH SOP – Storm Drainage System Cleaning	3/2022

Name	Version Date
GH SOP – Vehicle and Equipment Fueling	3/2022
GH SOP – Vehicle and Equipment Maintenance	3/2022
GH SOP – Vehicle and Equipment Washing	3/2022
High Priority Stormwater Pollution Prevention Plan – Fairfax Property Yard (Updates in original)	6/2017
Nutrient Management Plan – Daniels Run ES	1/2021
Nutrient Management Plan – Green Acres Center	1/2021
Nutrient Management Plan – Kutner Park	1/2021
Nutrient Management Plan – Katherine Johnson MS	1/2021
Nutrient Management Plan – Pat Rodio	1/2021
Nutrient Management Plan – Providence ES	1/2021
City of Fairfax Training Program	1/2018

## MS4 PROGRAM PLAN REFERENCE LIBRARY - WEBPAGES

The following webpages are referenced in this document and are necessary for the implementation of the MS4 Program. These webpages combined the MS4 Program Reference Documents are identified as the City's MS4 Program Plan Reference Library.

Title	Web Page Link
Stormwater Package for Land Disturbance > 2,500 sq. ft. and < 1 acre	<a href="https://www.fairfaxva.gov/home/showpublisheddocument/6869/635975243760600000">https://www.fairfaxva.gov/home/showpublisheddocument/6869/635975243760600000</a>
Stormwater Package for Land Disturbance > 1 acre	<a href="https://www.fairfaxva.gov/home/showpublisheddocument/13772/637007015127200000">https://www.fairfaxva.gov/home/showpublisheddocument/13772/637007015127200000</a>
City of Fairfax, Virginia Code of Ordinances	<a href="https://library.municode.com/va/fairfax/codes/code_of_ordinances">https://library.municode.com/va/fairfax/codes/code_of_ordinances</a>
City Zoning Ordinance	<a href="https://www.fairfaxva.gov/government/city-clerk/city-code">https://www.fairfaxva.gov/government/city-clerk/city-code</a>
Fairfax Stormwater and Floodplain Management	<a href="https://www.fairfaxva.gov/government/public-works/stormwater-and-floodplain-management">https://www.fairfaxva.gov/government/public-works/stormwater-and-floodplain-management</a>
NVCWP Only Rain Down the Drain	<a href="https://www.onlyrain.org/team-1">https://www.onlyrain.org/team-1</a>
"Please Clean Up After Your Pet" Video	<a href="https://www.youtube.com/watch?v=KaP-FGeRYOk">https://www.youtube.com/watch?v=KaP-FGeRYOk</a>
City of Fairfax Site Plan Package	<a href="https://www.fairfaxva.gov/home/showpublisheddocument/3934/636891884560030000">https://www.fairfaxva.gov/home/showpublisheddocument/3934/636891884560030000</a>
City of Fairfax Single Lot Grading Plan Package	<a href="https://www.fairfaxva.gov/home/showpublisheddocument/7971/636891884970200000">https://www.fairfaxva.gov/home/showpublisheddocument/7971/636891884970200000</a>
City of Fairfax Public Facilities Manual	<a href="https://www.fairfaxva.gov/government/public-works/public-facilities-manual">https://www.fairfaxva.gov/government/public-works/public-facilities-manual</a>
Accotink Creek Chloride TMDL Action Plan, 2021	<a href="https://www.fairfaxva.gov/government/public-works/stormwater-and-floodplain-management/municipal-separate-storm-sewer-system-ms4">https://www.fairfaxva.gov/government/public-works/stormwater-and-floodplain-management/municipal-separate-storm-sewer-system-ms4</a>
Accotink Creek Sediment TMDL Action Plan, 2021	<a href="https://www.fairfaxva.gov/government/public-works/stormwater-and-floodplain-management/municipal-separate-storm-sewer-system-ms4">https://www.fairfaxva.gov/government/public-works/stormwater-and-floodplain-management/municipal-separate-storm-sewer-system-ms4</a>
Bull Run Sediment TMDL Action Plan, 2020	<a href="https://www.fairfaxva.gov/government/public-works/stormwater-and-floodplain-management/municipal-separate-storm-sewer-system-ms4">https://www.fairfaxva.gov/government/public-works/stormwater-and-floodplain-management/municipal-separate-storm-sewer-system-ms4</a>
Popes Head Creek TMDL Action Plan, 2020	<a href="https://www.fairfaxva.gov/government/public-works/stormwater-and-floodplain-management/municipal-separate-storm-sewer-system-ms4">https://www.fairfaxva.gov/government/public-works/stormwater-and-floodplain-management/municipal-separate-storm-sewer-system-ms4</a>

Title	Web Page Link
Accotink Creek Fecal Coliform TMDL Action Plan, 2020	<a href="https://www.fairfaxva.gov/government/public-works/stormwater-and-floodplain-management/municipal-separate-storm-sewer-system-ms4">https://www.fairfaxva.gov/government/public-works/stormwater-and-floodplain-management/municipal-separate-storm-sewer-system-ms4</a>
Difficult Run Sediment TMDL Action Plan, 2020	<a href="https://www.fairfaxva.gov/government/public-works/stormwater-and-floodplain-management/municipal-separate-storm-sewer-system-ms4">https://www.fairfaxva.gov/government/public-works/stormwater-and-floodplain-management/municipal-separate-storm-sewer-system-ms4</a>
Difficult Run E. coli TMDL Action Plan, 2020	<a href="https://www.fairfaxva.gov/government/public-works/stormwater-and-floodplain-management/municipal-separate-storm-sewer-system-ms4">https://www.fairfaxva.gov/government/public-works/stormwater-and-floodplain-management/municipal-separate-storm-sewer-system-ms4</a>
Occoquan River E. coli TMDL Action Plan, 2020	<a href="https://www.fairfaxva.gov/government/public-works/stormwater-and-floodplain-management/municipal-separate-storm-sewer-system-ms4">https://www.fairfaxva.gov/government/public-works/stormwater-and-floodplain-management/municipal-separate-storm-sewer-system-ms4</a>
Second Phase of the Chesapeake Bay TMDL Action Plan	<a href="https://www.fairfaxva.gov/government/public-works/stormwater-and-floodplain-management/municipal-separate-storm-sewer-system-ms4">https://www.fairfaxva.gov/government/public-works/stormwater-and-floodplain-management/municipal-separate-storm-sewer-system-ms4</a>

## 1.0 INTRODUCTION

MS4s are conveyances, or a system of conveyances, owned and operated by government entities that are designed or used in the collection or conveyance of stormwater runoff and are not part of a combined sewer or part of a Publicly Owned Treatment Works (POTW). Discharges from MS4s are classified as point sources of pollutants as a result of 1987 modifications to the federal Clean Water Act (CWA). Operators of regulated MS4s, identified as small, medium, or large MS4s in regulatory language, are required to obtain National Pollutant Discharge Elimination System (NPDES) permit coverage for their MS4 discharges. Under the first phase of NPDES permit implementation, operators of medium and large MS4s were required to obtain individual NPDES permits. Operators of small MS4s were required to obtain NPDES permit coverage for their discharges as part of the second phase of regulatory implementation. The number of regulated small MS4s is not static and continues to increase based on population growth identified in each US Census.

### 1.1 MS4 Permitting in Virginia

The federal Environmental Protection Agency (EPA) has delegated authority to the Commonwealth of Virginia to implement the NPDES program within its jurisdictional boundaries. As such, DEQ, under the oversight of the SWCB, issued its first VPDES MS4 General Permit in 2003, under which operators of small MS4s in Virginia, including the City, obtained coverage, and agreed to comply with the permit conditions. As a general permit, the MS4 General Permit has a five-year lifespan. As such, the City must reapply for coverage under a renewed general permit and agree to comply with the renewed general permit conditions. The currently applicable MS4 General Permit became effective November 1, 2018 and will expire on October 31, 2023.

### 1.2 MS4 Permitting and City of Fairfax

The City is an independent political subdivision of the Commonwealth of Virginia (local government) that encompasses approximately 6.2 square miles in the center of Fairfax County, VA. The entire City lies within the 2010 US Census Washington DC-VA-MD Urbanized Area boundaries.

The City has maintained coverage under a MS4 General Permit since Virginia's initial 2003 permit issuance. During such time, the City has continued to implement both structural and non-structural best management practices (BMPs) to comply with the conditions of each successive permit. The City received its Notice of Coverage under the MS4 General Permit on October 29, 2018.

By applying for and receiving coverage under the MS4 General Permit, the City agrees to comply with the MS4 General Permit conditions and authorizations specific to City MS4 discharges. This includes the development, implementation, and enforcement of an MS4 Program that is designed to reduce the discharge of pollutants to the maximum extent practicable (MEP), protect water quality, and satisfy the appropriate water quality requirements of the State Water Control Law and its attendant regulations. This MS4 Program Plan describes the BMPs chosen by the City as part of its MS4 Program and provides guidance for the City in MS4 Program implementation.

### 1.3 Virginia MS4 General Permit

The current MS4 General Permit authorizes the City to discharge stormwater from its MS4 in accordance with its conditions. The MS4 General Permit applies to all discharges from City-owned or operated stormwater conveyances that are not covered under a separate VPDES permit. The MS4 General Permit is the legal authority upon which City VPDES compliance is determined. Failure to meet the conditions and requirements contained in the MS4 General Permit can lead to State or Federal authority

compliance actions. Under the CWA, third parties may also utilize citizens' lawsuits to ensure compliance.

The MS4 General Permit is divided into the following three (3) parts: Part I – Discharge Authorization and Special Conditions; Part 2 – Total Maximum Daily Load (TMDL) Special Conditions; and Part III – Conditions Applicable to all State and VPDES Permits.

Part I of the MS4 General Permit contains the MS4 Program Plan and Annual Reporting requirements, as well as the requirements for each of the following six (6) Minimum Control Measures (MCMs):

- MCM 1 – Public Education and Outreach
- MCM 2 – Public Involvement and Participation
- MCM 3 – Illicit Discharge Detection and Elimination
- MCM 4 – Construction Site Stormwater Runoff Control
- MCM 5 – Post-Construction Stormwater Management for New Development and Development on Prior Developed Lands
- MCM 6 – Pollution Prevention and Good Housekeeping for Facilities Owned and Operated by the City

Part II of the MS4 General Permit contains special conditions specific to how the City must address discharges to impaired waters that have a TMDL. The MS4 General Permit contains two special conditions, both of which apply to the City. The first is the Chesapeake Bay TMDL Special Condition, which applies to all MS4s discharges in the Chesapeake Bay watershed. The second establishes the MS4 General Permit's special conditions for addressing discharges to local impaired local waters with an approved TMDL.

Part III of the MS4 General Permit is comprised of standard VPDES permit conditions including, but not limited to, records retention, reporting of unauthorized discharges and unusual discharges, signatory requirements, certification requirements, and authorization for DEQ entry to conduct inspections.

The official Commonwealth of Virginia MS4 General Permit, effective as of November 1, 2018, can be found at <https://law.lis.virginia.gov/admincode/title9/agency25/chapter890/>.

## 2.0 MS4 PROGRAM PLAN

The purpose of this MS4 Program Plan is to provide and maintain a clear and concise description of the BMPs selected by the City for implementation under MS4 General Permit.

### 2.1 MS4 Program Plan Menu of BMPs

This MS4 Program Plan includes individual BMPs chosen for implementation by the City. BMPs applicable for each MCM or Special Condition are referenced in the applicable MS4 Program Plan section. Appendix A summarizes each BMP selected for implementation to satisfy the requirements of the MS4 General Permit and identifies the specific referenced documents and webpages specific to each BMP listed in the preface of this document. The MS4 Program Plan Reference Documents and MS4 Program Plan Reference Web Pages are collectively known as the Reference Library and are included in the preface of the MS4 Program Plan. The MS4 Program Plan Reference Documents are available for public review by contacting the Department of Public Works-Administration and Engineering Division (DPW-AED).

### 2.2 MS4 Program Plan Updates

The MS4 Program Plan is intended to guide the City on implementation in a manner compliant with the MS4 General Permit. However, MS4 program implementation is an iterative process and revisions to the

MS4 Program Plan are expected throughout the five-year MS4 General Permit cycle. The MS4 Program Plan must be reviewed annually as part of City MS4 annual reporting process. Revisions must be made as necessary and summarized in each annual report. Each iteration of the MS4 Program Plan should be saved as an updated version with the effective date identifying the version. Additionally, City staff must be informed of MS4 Program Plan modifications if the revisions will alter their day-to-day operations.

To ensure that impacted City employees have access to the up-to-date documents and webpage links, the current information must be maintained in the Reference Library. To ensure this, DPW-AED must:

- Update the individual BMPs in Appendix A to reflect any modifications in their implementation.
- Insert the updated material into the Reference Library, when applicable and update the version date in the Reference Library.
- Document the modification of the MS4 Program Plan in Table 1.
- Notify impacted City Departments or Partner Organizations of the newly developed or modified document, material, or MS4 Program Plan element.

### **2.3 MS4 Program Plan and its Relationship to Other City Programs**

The MS4 Program Plan is the link between City programs and the MS4 General Permit conditions. While MS4 General Permit conditions and requirements apply to all City activities and actions, all City activities and actions are not implemented solely to address the MS4 General Permit requirements. Similarly, individual activities and actions are often impacted by other regulatory mandates that influence how their application. As such, the MS4 Program Plan identifies the roles, responsibilities, and efforts undertaken to comply with MS4 General Permit conditions, such as the implementation of standard operating procedures (SOPs), while also identifying the existing City programs applicable for meeting MS4 General Permit requirements, such as the City's local Virginia Erosion and Sediment Control Program (VESCP) and Virginia Stormwater Management Program (VSMP).

## **3.0 CITY OF FAIRFAX'S MS4 PROGRAM PLAN ADMINISTRATION**

The conditions and requirements contained in the MS4 General Permit for discharges from the City's MS4 apply to all discharges from City-owned or operated storm drainage conveyances located within the City. Section 3 of this MS4 Program Plan describes the roles and responsibilities of City departments, agencies, and partners in administering the MS4 Program Plan.

### **3.1 Roles and Responsibilities**

Many City departments and agencies share responsibility in ensuring that their individual department's activities and actions are compliant with MS4 General Permit requirements. DPW-AED is responsible for the administrative oversight of the City's efforts and includes, among other responsibilities, coordinating with and aiding other City departments and agencies in MS4 Program Plan implementation and communicating with DEQ, other regulatory agencies, and the general public.

### 3.1.1 City of Fairfax Departments

A City organizational chart is provided in Figure 1. Individual City department roles and responsibilities in the implementation of the MS4 Program Plan are summarized in Table 2.

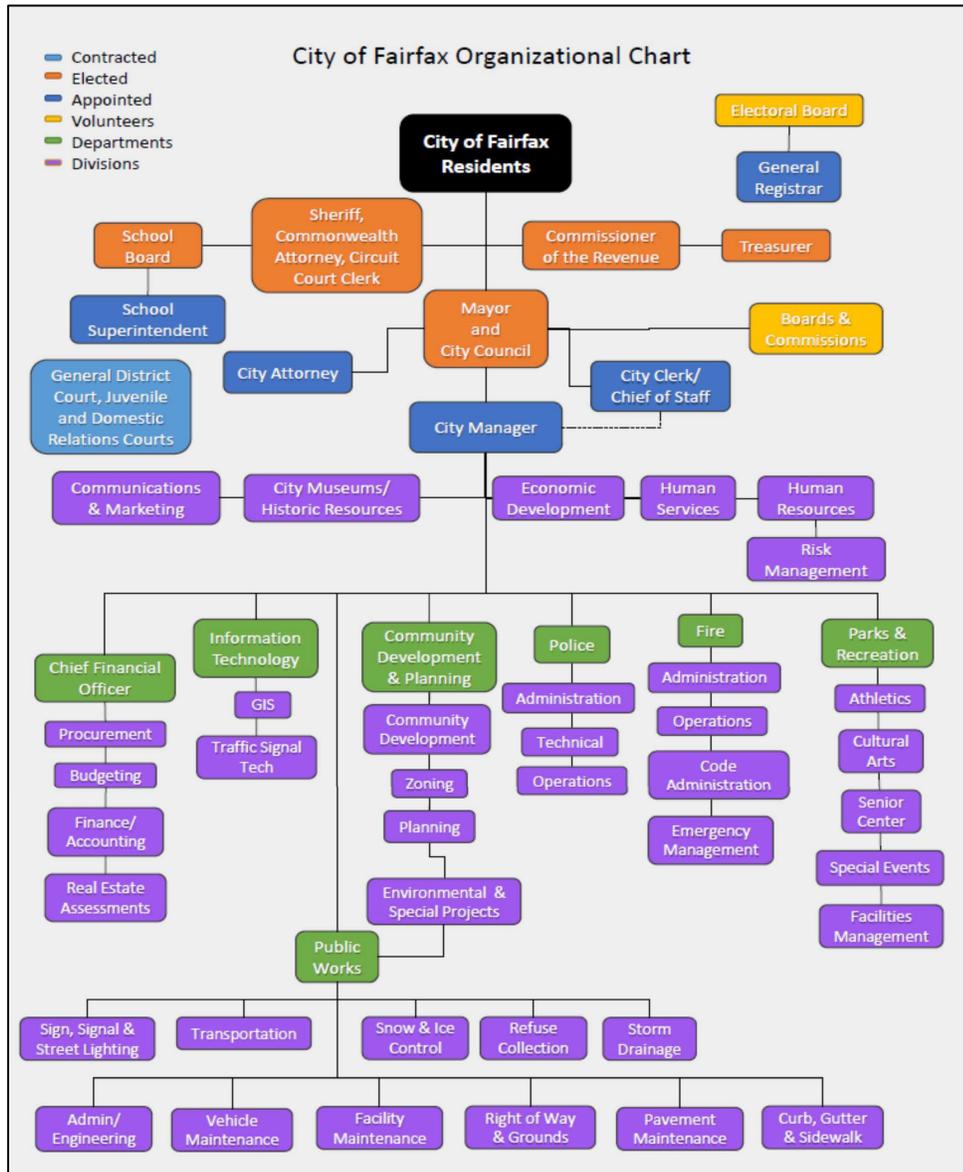


Figure 1. City of Fairfax Organizational Chart

**Table 2. Department/Agency-Specific MS4 Program Plan Implementation Role, and Applicable MCM**

Department/Agency	MS4 Program Plan Implementation Role	Applicable MCM
City Attorney	Provide legal assistance in the enforcement of City ordinances utilized to implement the MS4 Program Plan.	All
	Review contracts and other legal documents to ensure legal documents are consistent with the MS4 Program Plan.	
City Manager	Provide administrative support to ensure necessary resources and inter-departmental cooperation is secured and to ensure compliance with applicable laws and regulations.	All
	Signatory authority.	
Communication & Marketing	Serves as a general inquiry center for city government-related information, managing a comprehensive communications program to keep residents, business owners, visitors, and the media informed of municipal services and activities. Manage Channel 12 (TV), publish Cityscene, the City’s monthly newsletter, and administer the City’s social media outlets (e.g., YouTube, and Facebook).	MCM 1 & MCM 2
Community Development & Planning (CDP)	Assist with the implementation of the VESCP and VSMP by acting as the central hub for City permitting. CDP coordinates with DPW-AED on ensuring land disturbing and development plans are approved before City permit issuance.	MCM 4 & MCM 5
	Approve erosion and sediment control plans.	MCM 4
Public Works – Administration and Engineering Division (DPW-AED)	Administration of the MS4 Program. DPW-AED is responsible for the implementation of all portions of the MS4 Program Plan not specifically assigned to other City departments. Provide guidance regarding MS4 Program Plan implementation to other City departments, agencies, and contractors.	MCM 1 & MCM 2 MCM 3 & MCM 4 MCM 5 & MCM 6
	Maintain on City-owned or operated SWM facilities.	MCM5
	Inspection and ensure compliance of privately operated SWM facilities	MCM 5
	Implement pollution prevention and good housekeeping practices at City projects.	MCM 6
	Organize training events as specified in the MS4 Training Program.	MCM 6

Department/Agency	MS4 Program Plan Implementation Role	Applicable MCM
Department of Public Works (DPW)	Provide refuse pickup and disposal as part of cleanup programs. Coordinate with Community Appearance Committee efforts.	MCM 2
	Implement the Wastewater Lateral Repair and Replacement Program.	MCM 2
	Eliminate illicit discharges of wastewater originating from the public sanitary infrastructure.	MCM 3
	Monitor for illicit discharges as part of normal operations.	MCM 3
	Implement pollution prevention and good housekeeping standard operating procedures (SOPs) at City facilities.	MCM 6
	Implement City Property Yard SWPPP.	MCM 6
	Participate in training events as specified in the MS4 Training Plan.	MCM 6
	Perform maintenance and cleaning of public storm drainage conveyance structures.	MCM 6
	Implement the City Property Yards SWPPP.	MCM 6
	Participate in training events as specified in the MS4 Training Plan.	MCM 6
Code Administration / Fire Department	Investigate reports of illicit discharges and enforce City Code to eliminate illicit discharges (Fire Marshal's Office).	MCM 3
	Respond to spills and hazardous materials releases.	MCM 3
	Emergency response hazardous materials training.	MCM 6
Parks & Recreation	Coordinate public stream clean-ups in City parks.	MCM 2
	Implement pollution prevention and good housekeeping SOPs at Park facilities and projects.	MCM 6
	Implement Nutrient Management Plans (NMPs).	
	Participate in training events as specified in the MS4 Training Plan.	
Police Department	Provide a point of contact for public reporting of illicit discharges during non-business hours.	MCM 3
	Enforce Animal Control Ordinance (Chapter 6 of the City Code of Ordinances) compliance regarding pet wastes.	MCM 3

### 3.1.2 Partner Organizations

The City partners with public organizations to administer local government services when it is beneficial to the City. These partnerships are part of a broader local government services provision mechanism and not necessarily specific to implementing MS4 Program Plan. Partner organizations, along with their relationship to the City and their role specific to MS4 Program Plan implementation are contained in **Table 3**.

**Table 3. Partner Organizations and their Potential Involvement in the City of Fairfax’s MS4 Program Plan Implementation**

Organization	Relationship	Role	Legal Agreement	MCM
Environmental Sustainability Committee (EvSC)	Volunteer Committee that advises the City Council and all other Board & Commissions on environmental and energy conservation issues.	Sponsor opportunities for speaking engagements as a Public Education and Outreach (MCM 1).	N/A	MCM 1
		Sponsor educational events as an opportunity for Public Involvement and Participation (MCM 2).		MCM 2
City of Fairfax Public Schools (FPS)	FPS is a separate local government entity that receives funding from the City. FPS land disturbing projects are permitted through the City’s VSMP program. FPS stormwater management facilities are inspected and maintained by the City’s DPW.	Eliminate illicit discharges on FPS properties upon City notification.	School Services Agreement	MCM 3
		Obtain land disturbing permits through CDP.		MCM 4 & MCM 5
		Implement written pollution prevention and good housekeeping SOPs at FPS facilities.		MCM 6
		Participate in City training as outlined in the City training plan.		MCM 6
Northern Virginia Clean Water Partners (NVCWP)	NVCWP is a regional partnership overseen by the Northern Virginia Regional Commission (NVRC) that implements a regional public education and outreach program.	NVCWP implements the <i>Only Rain Down the Drain</i> regional stormwater education initiative and other outreach initiatives agreed upon by members of the Partnership. Initiatives include surveys to gauge public awareness of stormwater issues.	Annual dues paid to the NVRC to cover the cost of the NVCWP	MCM 1
Northern Virginia Soil and Water Conservation District (NVSWCD)	The City established an independent partnership with NVSWCD to extend Virginia Conservation Assistance Program (VCAP) eligibility to City property owners.	NVSWCD administers the VCAP program within the City boundaries. The City promotes VCAP as part of its public involvement program.	NVSWD Memorandum of Understanding	MCM 2

Organization	Relationship	Role	Legal Agreement	MCM
George Mason University (GMU)	GMU conducts stormwater monitoring for the City as part of its TMDL Action Plan implementation.	GMU acts as a contractor for the City in completing bacteria sampling as part of the City's TMDL Action Plan implementation.	Annual purchase order to pay GMU to conduct requested monitoring	TMDL Special Conditions

### 3.2 Legal Authorities

Implementation of the MS4 Program Plan requires that the City formalize numerous legal authorities. These necessary legal authorities are summarized in **Table 4**.

**Table 4. City of Fairfax Stormwater Legal Authorities Summary**

Legal Authority	Code Summary	Relationship to MS4 Program Plan
City Code, Chapter 6 – Animals	Requires parties to immediately remove a dog's excrement from any property other than the dog owner's property.	General bacteria pollutant reduction
		Bacteria TMDL implementation
City Code, Chapter 110 – Zoning	<p>The City's Zoning Ordinance provides the necessary legal authorities to implement the following stormwater-related programs:</p> <ul style="list-style-type: none"> <li>Floodplain protection</li> <li>Erosion and sediment control</li> <li>Post-construction stormwater management</li> <li>Chesapeake Bay Preservation Act (CBPA)</li> <li>Illicit Discharge Detection and Elimination (IDDE)</li> </ul>	Illicit discharge prohibition
		Address discharges from regulated construction activities
		Require post development stormwater management from regulated new development and redevelopment on prior developed lands
		Enforce long-term stormwater facility maintenance responsibilities
Public Facilities Manual (PFM)	The PFM contains the information needed by design engineers, developers, and contractors to facilitate design, development, and construction on municipal infrastructure within the City of Fairfax service area. The City utilizes the PFM for providing design standards for private development, as well.	Erosion and sediment control (ESC) requirements
		Post-development stormwater management requirements
		Pollution prevention requirements

Web page links to the current version of the **City of Fairfax Virginia Code of Ordinances**, the **City Zoning Ordinance**, and the **Public Facilities Manual** are provided in the Reference Library

The City has developed additional policies, procedures, guidance, and other documents based on its legal authorities. These additional materials are referenced throughout the MS4 Program Plan and Reference Library. Digital copies of the most current versions of these materials are available from DPW-AED.

### 3.3 Specific Compliance Dates/Schedules

The MS4 General Permit contains compliance requirements that are either part of an annual compliance schedule or a one-time compliance requirement. These compliance items and associated compliance dates are identified in Section 4 of this MS4 Program Plan.

### 3.4 MS4 Annual Reporting to DEQ

As a condition of the MS4 General Permit, the City is required to submit to DEQ an MS4 Annual Report no later than October 1 of each year. Each MS4 Annual Report is required to include the information specified throughout the MS4 General Permit regarding the City’s accomplishments completed between July 1 of the previous year and June 30 of the current year as identified in **Table 5**.

**Table 5. Annual MS4 Reporting Dates**

Permit Year (PY)	PY Reporting Period		Annual Report Due Date	Responsible City Department
	Begins	Ends		
PY1	July 1, 2018	June 30, 2019	October 1, 2019	DPW-AED
PY2	July 1, 2019	June 30, 2020	October 1, 2020	DPW-AED
PY3	July 1, 2020	June 30, 2021	October 1, 2021	DPW-AED
PY4	July 1, 2021	June 30, 2022	October 1, 2022	DPW-AED
PY5	July 1, 2022	June 30, 2023	October 1, 2023	DPW-AED

Each MS4 Annual Report must include the following information:

- The permittee, system name, and permit number (**City of Fairfax, Virginia; City of Fairfax MS4; VAR040064**)<sup>2</sup>;
- The reporting period for which the MS4 Annual Report is being submitted (**See Table 5**);
  - A signed certification<sup>3</sup> by a principal executive officer, ranking elected official, or an individual employed in a duly authorized position (**see Signatory Authorizations at the beginning of this MS4 Program Plan**);
- Each annual reporting item specified in one of the six (6) MCMs;
- An evaluation of the MS4 program implementation, including a review of each MCM, to determine the MS4 Program’s effectiveness and whether changes to the MS4 Program Plan are necessary;<sup>4</sup>

<sup>2</sup> DEQ Notice of Coverage under the MS4 General Permit is included in the Reference Library.

<sup>3</sup> All persons signing a document for which a signature is required must make the following 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.*"

<sup>4</sup> In accordance with the MS4 General Permit, the MS4 Program Plan and all MS4 Annual Reports are to be maintained separately. Proposed modifications identified and listed in an MS4 Annual Report must be incorporated separately into a revised MS4 Program Plan.

- A status report on the implementation of the Chesapeake Bay TMDL Action Plan including the specific reporting requirements identified in the MS4 General Permit Special Condition Part II. A;
- A status report on the implementation of the local TMDL Action Plans, including the specific reporting requirements identified in the MS4 General Permit Special Condition Part II. B for local TMDLs in which the City MS4 has been allocated a pollutant wasteload; and
- A summarized list of MS4 Program Plan modifications.

Each MS4 Annual Report covering the term of the MS4 General Permit will be placed on the City Stormwater webpage and be considered part of the Reference Library.

### **3.5 Duty to Reapply for Continued MS4 General Permit Coverage**

Per the MS4 General Permit, Part III M, the City must submit a new Registration Statement to DEQ before Wednesday, August 2, 2023, unless a later date is granted by DEQ.

## **4.0 MCM BMPs AND STRATEGIES**

The six (6) MCMs form the MS4 General Permit's backbone and make up the basics of what is required in the City's MS4 Program and MS4 Program Plan. Each MCM requires the City to address several specific requirements throughout the MS4 General Permit cycle. This section identifies the following for each of the MCMs:

- Permit conditions for the specific MCM;
- BMPs and strategies selected and implemented by the City; and
- Reference library documents necessary for implementation of the identified BMPs and strategies.

Descriptions of individual BMPs and strategies are found in the MS4 Program Plan Menu of BMPs. Each individual BMP description in the Menu of BMPs includes:

- Description of selected BMPs and strategies
- Objective/expected results
- SOPs or policies necessary to implement BMPs
- Department(s) responsible for implementing BMP
- Measurable goal by which each BMP or strategy will be evaluated
- Method utilized to determine the effectiveness
- Compliance dates/ schedules
- Annual reporting requirements

### **4.1 MCM 1 – Public Education and Outreach**

MCM 1 contains the expectations and requirements of the City's efforts to increase public knowledge and awareness regarding stormwater pollution, community impacts on water quality, and local water quality concerns.

#### **4.1.1 MS4 General Permit Compliance Requirements**

The City is required to implement a public education and outreach program (PEOP) that is designed to:

- Increase the public's knowledge of how to reduce stormwater pollution, placing priority on reducing impacts to impaired waters and other local water pollution concerns;

- Increase the public's knowledge of hazards associated with illicit discharges and improper disposal of waste, including pertinent legal implications; and
- Implement a diverse program with strategies that are targeted toward individuals or groups most likely to have significant stormwater impacts.

The City is required to select and utilize two (2) or more strategies listed in the MS4 General Permit Table 1 in communicating with the public the high-priority stormwater issues identified per Part I. E. 1. B, including how to reduce stormwater pollution (**Table 6**).

**Table 6. MS4 Strategies for Public Education and Outreach (MS4 General Permit – Table 1)**

Strategies	Examples (provided as examples and are not meant to be all-inclusive or limiting)
Traditional Written Materials	Informational brochures, newsletters, fact sheets, utility bill inserts, or recreational guides for targeted groups of citizens
Alternative Materials	Bumper stickers, refrigerator magnets, t-shirts, or drink koozies
Signage	Temporary or permanent signage in public places or facilities, vehicle signage, billboards, or storm drain placards
Media Materials	Information disseminated through electronic media, radio, televisions, movie theater, or newspaper
Speaking Engagements	Presentations to school, church, industry, trade, special interest, or community groups
Curriculum Materials	Materials developed for school-aged children, students at local colleges or universities, or extension classes offered to local citizens
Training Materials	Materials developed to disseminate during workshops offered to local citizens, trade organizations, or industrial officials

#### 4.1.2 High Priority Stormwater Issues

The City has identified the three following high priority stormwater issues for emphasis in their public education and outreach efforts:

- **Bacteria Pollution.** The rationale for the selection of bacteria pollution as a high-priority stormwater issue is that the majority of the City MS4 drainage area discharges to local waterbodies for which bacteria TMDLs have been developed. The City’s MS4 discharges to Accotink Creek, Difficult Run, Popes Head Creek, and the Occoquan River – all of which suffer from bacterial impairments and for which TMDLs have been developed and approved.
- **Nutrient Pollution.** The rationale for the selection of bacteria pollution as a high-priority stormwater issue is that the City discharges to the Chesapeake Bay. The Chesapeake Bay TMDL has identified nutrients as a source of impairment to the Bay.
- **Illicit Discharge of Chemical Contaminants.** The rationale for the selection of bacteria pollution as a high-priority stormwater issue is that the City is already developed. As such, the majority of the pollutants entering the MS4 enter the drainage system either through direct discharge or by being washed into the drainage system during wet weather events. The elimination of both the direct discharges and the proper control and management of potential chemical contaminants will reduce pollutants in the City MS4 discharges.

The City has partnered with other Northern Virginia localities and MS4s to form the NVCWP to develop uniform messaging regarding the actions and measures that the public can take to minimize the impact of high-priority stormwater issues. These measures and actions can be found at the ***NVCWP Only Rain Down the Drain*** website. Additional information specific to the City can be obtained by contacting the City's Public Works Program Manager at (703) 273-6073.

#### 4.1.3 Selected BMPs and Strategies

The City will utilize the following BMPs as described in Appendix 1 to meet the MS4 General Permit requirements for MCM 1:

- **BMP 1A – Public Education and Outreach Program**

## 4.2 MCM 2 – Public Involvement and Participation

MCM 2 is designed to both keep the public informed of the City's efforts at minimizing pollutant discharge through its MS4 and to encourage public involvement and participation in pollution prevention efforts.

### 4.2.1 MS4 General Permit Compliance Requirements

The City is required to develop and implement procedures regarding public communication and participation that address:

- Receiving public reporting of potential illicit discharges, improper disposal, or spills to the MS4, complaints regarding land disturbing activities, or other potential stormwater pollution concerns;
- Receiving public input on the permittee's MS4 program plan;
- Receiving public input or complaints;
- Responding to public input received on the MS4 program plan or complaints; and
- Maintaining documentation of public input received on the MS4 program and associated MS4 program plan and the permittee's response.

The City is required to maintain a website dedicated to the MS4 Program and stormwater pollution prevention. The webpage, which was required to be developed by February 1, 2018, must provide public access to the following:

- The effective MS4 General Permit and coverage letter;
- The most current MS4 Program Plan (or location where the MS4 Program Plan can be obtained); and
- A mechanism for the public to report the following:
  - Potential illicit discharges, improper disposal, or spills to the MS4
  - Complaints regarding land disturbing activities
  - Other potential stormwater pollution prevention concerns
  - A method for how the public can provide input on the MS4 Program Plan.

The City is required to provide no less than four (4) opportunities annually for the public to be involved with the improvement of water quality and to support local restoration and clean-up projects. The opportunities must correspond with at least two (2) of the categories listed in Table 2 of the MS4 General Permit (**Table 7**).

**Table 7. MS4 Public Involvement Opportunities (MS4 General Permit Table 2)**

Public Involvement Opportunities	Examples (provided as examples and are not meant to be all-inclusive or limiting)
Monitoring	Establish or support citizen monitoring group
Restoration	Stream or watershed clean-up day, adopt-a-waterway program
Educational Events	Booth at a community fair, demonstration of stormwater control projects, presentation of stormwater materials to schools to meet applicable education Standards of Learning or curriculum requirements, watershed walks, participation on environmental advisory committees
Disposal or Collection Events	Household hazardous chemicals collection, vehicle fluids collection
Pollution Prevention	Adopt-a-storm drain program, implement a storm drain marking program, promote the use of residential stormwater BMPs, implement pet waste stations in public areas, adopt-a-street program

#### 4.2.2 Selected BMPs and Strategies

The City will utilize the following BMPs as described in Appendix 1 to meet the MS4 General Permit requirements for MCM 2:

- **BMP 2A – Public Involvement Procedures**
- **BMP 2B – Stormwater and Floodplain Management Webpage**
- **BMP 2C – Stormwater Public Participation Initiative**

### 4.3 MCM 3 – Illicit Discharge Detection and Elimination

MCM 3 requires the City to maintain a map of the storm sewer system owned and operated by the City and implement and enforce illicit discharge identification and elimination prohibitions and procedures, including dry weather screening.

#### 4.3.1 MS4 General Permit Compliance Requirements

Under the MS4 General Permit, the City is required under MCM 3 to do the following:

- Maintain an accurate MS4 map, which must include:
  - MS4 outfalls discharging to surface waters, except as follows:
    - In cases where the outfall is located outside of the MS4 permittee's legal responsibility, the permittee may elect to map the known point of discharge location closest to the actual outfall; and
    - In cases where the MS4 outfall discharges to receiving water channelized underground, the permittee may elect to map the point downstream at which the receiving water emerges above ground as an outfall discharge location. If multiple outfalls are discharging to an underground channelized receiving water, the map shall identify that an outfall discharge location represents more than one outfall. This is an option a permittee may choose to use and recognizes the difficulties in accessing outfalls to underground channelized stream conveyances for purposes of mapping, screening, or monitoring.

- A unique identifier for each mapped item required in Part I. E. 3.;
- The name and location of receiving waters to which the MS4 outfall or point of discharge discharges;
- MS4 regulated service area; and
- SWM facilities are owned or operated by the permittee.
- Maintain an accurate information table, which must include:
  - A unique identifier as specified on the storm sewer system map;
  - The latitude and longitude of the outfall or point of discharge;
  - The estimated regulated acreage draining to the outfall or point of discharge;
  - The name of the receiving water;
  - The 6th Order Hydrologic Unit Code (HUC) of the receiving water;
  - An indication as to whether the receiving water is listed as impaired in the Virginia 2016 305(b)/303(d) Water Quality Assessment Integrated Report;
  - The predominant land use for each outfall discharging to an impaired water; and
  - The name of any EPA-approved TMDLs for which the permittee is assigned a wasteload allocation.
- Submit a GIS-compatible shapefile of the permittee's MS4 map to DEQ by July 1, 2019.
- Provide written notification to any downstream adjacent MS4 of any known physical interconnection established or discovered after the effective date of the permit.
- Prohibit through legal mechanism unauthorized non-stormwater discharges into the City's MS4 and address authorized non-stormwater discharges or flows if the City identifies them as a significant contributor of pollutants contributing to the MS4.
- Maintain, implement, and enforce IDDE written procedures designed to detect, identify, and address unauthorized non-stormwater discharges, including illegal dumping, to the small MS4 to effectively eliminate the unauthorized discharge. Written procedures shall include:
  - A description of the legal authorities, policies, standard operating procedures, or other legal mechanisms available to the permittee to eliminate identified sources of ongoing illicit discharges including procedures for using legal enforcement authorities;
  - Dry weather field screening protocols to detect, identify, and eliminate illicit discharges to the MS4;
  - A mechanism to track required dry weather screening information, including
    - The unique outfall identifier;
    - Time since the last precipitation event;
    - The estimated quantity of the last precipitation event;
    - Site descriptions (e.g., conveyance type and dominant watershed land uses);
    - Whether or not a discharge was observed; and
    - If a discharge was observed, the estimated discharge rate (e.g., width and depth of discharge flow rate) and visual characteristics of the discharge (e.g., odor, color, clarity).

- A timeframe upon which to conduct an investigation to identify and locate the source of any observed unauthorized non-stormwater discharge;
- Methodologies to determine the source of all illicit discharges;
- Methodologies for conducting a follow-up investigation for illicit discharges; and
- A mechanism to track all illicit discharge investigations to document required information.
- Conduct dry weather screening.
  - If the total number of MS4 outfalls is equal to or less than fifty (50), a schedule to screen all outfalls annually.
  - If the total number of MS4 outfalls is greater than fifty (50), a schedule to screen a minimum of fifty (50), outfalls annually such that no more than 50% are screened in the previous 12-month period. The 50% criterium is not applicable if all outfalls have been screened in the previous three years.

#### 4.3.2 Selected BMPs and Strategies

The City will utilize the following BMPs as described in Appendix 1 to meet the MS4 General Permit requirements for MCM 1:

- **BMP 3A – Geographic Information System Mapping**
- **BMP 3B – MS4 Outfall Data Management Tracking**
- **BMP 3C – Downstream MS4 Interconnection – Operator Notification**
- **BMP 3D – Prohibition of MS4 Illicit Discharges**
- **BMP 3E – Illicit Discharge Detection and Elimination**
- **BMP 3F – Dry Weather Screening**

#### 4.4 MCM 4 – Construction Site Stormwater Runoff Control

MCM 4 contains the MS4 General Permit conditions to address discharges to the MS4 from regulated construction site stormwater runoff.

##### 4.4.1 MS4 General Permit Compliance Requirements

The MS4 General Permit conditions associated with construction site stormwater runoff are consistent with those contained in the Virginia ESC Law (§62.1-44:15:51 et seq. of the Code of Virginia) and the Virginia ESC Regulations (9VAC25-840) in which the City is required to implement a local VESCP. Under the MS4 General Permit, the City is also required to ensure the implementation of appropriate controls to prevent non-stormwater discharges to the MS4 from construction activities regulated under the City's VSMP. Figure 1 provides the division of responsibilities among City departments.

##### 4.4.2 Selected BMPs and Strategies

The City will utilize the following BMPs as described in Appendix 1 to meet the MS4 General Permit requirements for MCM 4:

- **BMP 4A – DEQ – Authorized VESCP**

#### 4.5 MCM 5 – Post-Construction Stormwater Management for New Development and Development on Prior Developed Lands

MCM 5 contains the MS4 General Permit conditions to address discharges from post-development stormwater runoff.

#### 4.5.1 MS4 General Permit Compliance Requirements

The MS4 General Permit conditions associated with post-development stormwater management for new development and development on prior developed lands are consistent with those contained in the Virginia Stormwater Management Act (§62.1-44:15:28 et seq. of the Code of Virginia) and the VSMP Regulations (9VAC25-870). Under the MS4 General Permit, the City is required to ensure that both public and private permanent SWM facilities are maintained and continue to function as designed.

The City's VSMP is required to conduct plan reviews, site inspections, and enforcement for non-compliance. As a defined Tidewater locality under the CBPA, the City is required to regulate land disturbing activities that are equal to or greater than 2,500 square feet in areas designated by the City as regulated as part of the CBPA area. The City's VSMP must be administered by a DEQ-certified Program Administrator with plan reviews and compliance inspections being conducted by DEQ-certified individuals.

In addition to MS4 General Permit conditions regarding MS4 Program Plan content and annual reporting, the MS4 General Permit contains conditions specific to MCM 5 for which the City must ensure compliance including maintaining a database/spreadsheet containing the following information for both public and private stormwater management facilities:

- The SWM facility or BMP type;
- The SWM facility or BMPs location as latitude and longitude;
- The acres treated by the SWM facility or BMP, including total acres, pervious acres, and impervious acres;
- The date the facility was brought online (MM/YYYY). If the date brought online is not known, the City shall use June 30, 2005;
- The 6th Order Hydrologic Unit Code (HUC) in which the SWM facility is located;
- Whether the SWM facility or BMP is owned or operated by the permittee or privately owned;
- Whether or not the SWM facility or BMP is part of the permittee's Chesapeake Bay TMDL action plan required in Part II A or local TMDL action plan required in Part II B, or both;
- If the SWM facility or BMP is privately owned, whether a maintenance agreement exists; and
- The date of the permittee's most recent inspection of the SWM facility or BMP.

#### 4.5.2 Selected BMPs and Strategies

The City will utilize the following BMPs as described in Appendix 1 to meet the MS4 General Permit requirements for MCM 5:

- **BMP 5A – DEQ-Authorized VSMP**
- **BMP 5B – City-Owned/Operated SWM Facility Inspections**
- **BMP 5C – City-Owned/Operated SWM Facility Maintenance**
- **BMP 5D – Private SWM Facility Inspection and Long-Term Compliance**
- **BMP 5E – SWM Facility Asset Management**

#### 4.6 MCM 6 – Pollution Prevention and Good Housekeeping for City Facilities

MCM 6 defines the MS4 General Permit's conditions and requirements for minimizing pollutant discharge associated with City facilities and operations.

#### 4.6.1 MS4 General Permit Compliance Requirements

MCM 6 requires the City to develop and implement written pollution prevention/good housekeeping procedures for those activities at facilities owned or operated by the permittee, such as road, street, and parking lot maintenance; equipment maintenance; and the application, storage, transport, and disposal of pesticides, herbicides, and fertilizers designed to:

- Prevent illicit discharges;
- Ensure the proper disposal of waste materials, including landscape wastes;
- Prevent the discharge of wastewater or permittee vehicle wash water or both into the MS4 without authorization under a separate VPDES permit;
- Require implementation of BMPs when discharging water pumped from utility construction and maintenance activities;
- Minimize the pollutants in stormwater runoff from bulk storage areas (e.g., salt storage, topsoil stockpiles) through the use of BMPs;
- Prevent pollutant discharge into the MS4 from leaking municipal automobiles and equipment; and
- Ensure that the application of materials, including fertilizers and pesticides, is conducted per the manufacturer's recommendations.

The City is required to identify high-priority City facilities, develop stormwater pollution prevention plans (SWPPPs) for certain City-owned and/or operated high-priority facilities with a high potential for causing pollution, develop and implement nutrient management plans (NMPs) at City facilities where nutrients are applied on an area greater than one contiguous acre, and implement a stormwater training program for City employees and contractors.

The City cannot apply any deicing agent containing urea or other forms of nitrogen or phosphorus to parking lots, roadways, sidewalks, or other paved surfaces.

The City must use contract language, training, standard operating procedures, or other measures within the permittee's legal authority to require that contractors employed by the permittee and engaging in activities with the potential to discharge pollutants use appropriate control measures to minimize the discharge of pollutants to the MS4. In addition, the City must develop and implement a written training plan for applicable staff and contractors that utilize the written pollution prevention/good housekeeping procedures and ensure the following:

- Field personnel receive training in the recognition and reporting of illicit discharges no less than once per 24 months;
- Employees performing road, street, and parking lot maintenance receive training in pollution prevention and good housekeeping associated with those activities no less than once per 24 months;
- Employees working in and around maintenance, public works, or recreational facilities receive training in good housekeeping and pollution prevention practices associated with those facilities no less than once per 24 months;
- Employees and contractors hired by the permittee who apply pesticides and herbicides are trained or certified by the Virginia Pesticide Control Act (§ 3.2-3900 et seq. of the Code of Virginia). Certification by the Virginia Department of Agriculture and Consumer Services (VCACS) Pesticide and Herbicide Applicator program shall constitute compliance with this requirement;

- Employees and contractors serving as plan reviewers, inspectors, program administrators, and construction site operators obtain the appropriate certifications as required under the Virginia Erosion and Sediment Control Law and its attendant regulations;
- Employees and contractors implementing the stormwater program obtain the appropriate certifications as required under the Virginia SWM Act and its attendant regulations; and
- Employees whose duties include emergency response have been trained in spill response. Training of emergency responders such as firefighters and law enforcement officers on the handling of spill releases as part of a larger emergency response training shall satisfy this training requirement and be documented in the training plan.

#### 4.6.2 Selected BMPs and Strategies

The City will utilize the following BMPs as described in Appendix 1 to meet the MS4 General Permit requirements for MCM 6:

- **BMP 6A – Pollution Prevention and Good Housekeeping Standard Operating Procedures**
- **BMP 6B – High Priority City Facility Evaluations**
- **BMP 6C – HP-SWPPP for the City Property Yard**
- **BMP 6D – Turf and Landscape Nutrient Management Plans**
- **BMP 6E – Contractor Management and Oversight**
- **BMP 6F – Stormwater Management Training**

## 5.0 COMPLIANCE WITH TMDL SPECIAL CONDITIONS

DEQ evaluates Virginia waterbodies (i.e., streams, reservoirs, and estuaries) on a biennial basis as part of the 305(b)/303(d) Water Quality Assessment process. Individual waterbodies are categorized based on whether they meet the State-adopted water quality standards. Those that do not meet the water quality standards are considered impaired. A subset of the impaired waterbodies undergoes a more thorough evaluation involving long-term monitoring and computer modeling known as a TMDL study. Each TMDL study identifies a source (pollutant) causing the waterbody impairment and calculates the maximum pollutant load that can be introduced into the waterbody without causing the impairment. The allowable pollutant load is then divided up between non-regulated non-point dischargers such as undeveloped lands and agriculture and regulated point source discharges, including MS4s. The MS4 General Permit Part II Special Conditions apply to MS4s when and where TMDLs have allocated a pollutant load (wasteload) to the specific MS4 discharge. The City is required to address applicable MS4 General Permit Special Permit Conditions through the development and implementation of action plans for each applicable TMDL. TMDL action plans identify the means and methods that the City will utilize to meet the Special Conditions pertaining to the pollutant load.

### 5.1 Chesapeake Bay TMDL for Nitrogen, Phosphorus, and Sediment

The City operates an MS4 in the watershed of the Potomac River, which is a tributary to the Chesapeake Bay. As such, the MS4 General Permit Part II A, Chesapeake Bay TMDL Special Condition, applies to the City's MS4 discharges. The CB Special Condition requires that the City develop and maintain a Chesapeake Bay TMDL Action Plan that addresses nitrogen, phosphorus, and sediment (i.e., pollutants of concern, or POCs) from the following:

- Transitional Sources
- New Sources
- Nutrient Application on City Facilities
- Existing Sources

### 5.1.1 Chesapeake Bay TMDL Action Plan

The City will implement the BMPs and strategies described in its Chesapeake Bay TMDL Action Plan – Phase II.

### 5.1.2 Reference Materials and Documents

The most recent version of the Second Phase of the Chesapeake Bay TMDL Action Plan is available on the City’s MS4 webpage. A link to the MS4 webpage is included in the Reference Library.

### 5.1.3 Compliance Dates/Schedules

The compliance dates/schedules required to be met during the MS4 General Permit reporting cycle regarding the Chesapeake Bay TMDL Special Condition are contained in **Table 8**.

**Table 8. MS4 General Permit Chesapeake Bay TMDL Special Condition Compliance Dates**

Due Date	Compliance Dates/Schedule
10/30/23	Reduce the POC load from Existing Sources served by the City MS4 within the 2010 Urbanized Area (UA) by at least 40% of the L2 Scoping Run (Defined in the Phase II TMDL Chesapeake Bay Action Plan).
10/30/23	Offset 40% of the increased POC loads from new sources that initiated construction between July 1, 2009, and June 30, 2014, that resulted in a land disturbance one acre or greater and the resulting phosphorus load was greater than 0.45 lb./acre/year.
10/30/23	Offset the increased POC loads from new sources that initiated construction after July 1, 2014, that resulted in a land disturbance one acre or greater and the resulting phosphorus load was greater than 0.45 lb./acre/year.

### 5.1.4 Annual Reporting Requirements

Items regarding the Chesapeake Bay TMDL Action Plan implementation that are required to be included in the City’s MS4 Annual Report submitted to DEQ are contained in **Table 9**.

**Table 9. MS4 General Permit Chesapeake Bay TMDL Special Condition Annual Reporting Items**

Annual Reporting Items Required for the Chesapeake Bay TMDL Action Plan
A list of BMPs implemented during the reporting period but not reported to the DEQ BMP warehouse as part of VSMP implementation.
If credits were obtained, a statement that credits were acquired during the reporting period to meet all or a portion of the required POC reductions identified in the Phase II Chesapeake Bay Action Plan.
The progress, using the final design efficiency of the BMPs, toward meeting the required cumulative reductions for each of the POCs – nitrogen, phosphorus, and sediment.
A list of BMPs that are planned to be implemented during the next reporting period.

## 5.2 Local TMDLs

Numerous receiving waters including streams, rivers, reservoirs, and estuaries have been identified as impaired for not meeting their specified designated uses as specified in Virginia’s Water Quality Standards. For many of the receiving waters that are considered impaired, DEQ has developed local TMDLs to restore and maintain water quality to ensure that the specified designated uses are met. The MS4 General Permit has integrated the TMDL requirements which are based upon the source of the local receiving water impairment and the TMDL publication date into the Local TMDL Special Condition.

### 5.2.1 Local TMDL Action Plans

The City will implement the BMPs and strategies described in the eight (8) TMDL Action Plans listed in **Table 10**.

**Table 10. City of Fairfax Local TMDL Action Plans and Applicable TMDLs**

TMDL Action Plan	TMDL Action Plan Version Date	Applicable TMDL
Accotink Creek Chloride TMDL Action Plan	02/2022	Chloride TMDLs for the Accotink Creek Watershed, Fairfax County, VA
Accotink Creek Sediment TMDL Action Plan	05/2021	Sediment TMDLs for the Accotink Creek Watershed, Fairfax County, VA
Accotink Creek Fecal Coliform TMDL Action Plan	06/2020	Fecal Coliform TMDL for Accotink Creek, Fairfax County, VA
Bull Run Sediment TMDL Action Plan	06/2020	Benthic TMDL Development for Bull Run, VA
Difficult Run Sediment TMDL Action Plan	06/2020	Benthic TMDL Development for Difficult Run, VA
Difficult Run E. coli TMDL Action Plan	02/2022	Bacteria TMDL for the Difficult Run Watershed
Occoquan River E. coli TMDL Action Plan	02/2022	Bacteria TMDLs for Popes Head Creek, Broad Run, Kettle Run, South Run, Little Bull Run, Bull Run, and the Occoquan River, Virginia
Popes Head Creek Sediment TMDL Action Plan	06/2020	Benthic TMDL Development for Popes Head Creek, Virginia

### 5.2.2 Compliance Dates/Schedules

The compliance dates/schedules required to be met during the MS4 General Permit reporting cycle regarding the development and modification of Local TMDL Action Plans are contained in **Table 11**.

**Table 11. City of Fairfax Local TMDL Action Plans Compliance Dates**

Due Date	Compliance Dates/Schedule
May 1, 2020	Update TMDL Action Plans for TMDLs approved by EPA before July 1, 2013, in which the City was allocated a wasteload. (COMPLETE)
May 1, 2021	Develop and initiate implementation of TMDL Action Plans for TMDLs approved by EPA after July 1, 2013, and before June 30, 2018, in which the City was allocated a wasteload. (COMPLETE)
Within 30-days of Discovery	The City discovers a previously unidentified significant source of PCBs within its MS4 regulated service area
November 1, 2021	Submit to DEQ the anticipated dates by which the City will meet the sediment or nutrient (phosphorus or nitrogen) wasteload allocations contained in a local TMDL.

**5.23 Annual Reporting Requirements**

Items regarding Local TMDL Action Plan implementation that are required to be included in the City’s MS4 Annual Report submitted to DEQ are contained in **Table 12**.

**Table 12. City of Fairfax Local TMDL Action Plans Annual Reporting Requirements**

Annual Reporting Items Required for Local TMDL Action Plans
A list of BMPs implemented during the reporting period but not reported to the DEQ BMP warehouse as part of VSMP implementation.



## **APPENDIX A. MINIMUM CONTROL MEASURE MENU OF BEST MANAGEMENT PRACTICES**



## Minimum Control Measure 1

BMP 1A	Public Education and Outreach Program	Rev. Date	3/2022
<b>Description of selected BMPs and strategies</b>	<p>The City delivers numerous Public Education &amp; Outreach Plan (PEOP) strategies throughout the MS4 General Permit reporting period. These opportunities are outlined in the City of Fairfax Stormwater Public Education and Outreach Strategies. Continuously provided PEOP opportunities include the City’s Stormwater and Floodplain Management webpage, participation in the NVCWP “Only Rain Down the Drain” regional educational initiative, pet waste signage, and accessibility of a YouTube pet waste cleanup video. The City takes advantage of additional public education and outreach delivery opportunities including publications and presentations regarding the high priority stormwater issues in the City’s CityScene newsletter, on the City’s social media (Facebook, Twitter, YouTube, and Instagram), during the Environmental Sustainability Committee meetings, and message delivery during Special Events throughout the year. Delivery of one-time or non-continuous PEOP activities must be documented by completing a Public Education and Outreach Annual Report Documentation Compliance Form.</p>		
<b>Objective/expected results</b>	<p>The City will utilize a minimum of two (2) strategies to provide a minimum of three (3) public education and outreach activities for each of its high-priority stormwater issues during each MS4 General Permit reporting period.</p>		
<b>SOPs or policies necessary to implement BMPs</b>	<p>City of Fairfax Stormwater Public Education and Outreach Strategies</p>		
	<p>Northern Virginia Clean Water Partners Program Membership Documentation</p>		
<b>Department(s) responsible for implementing BMP</b>	<p>Delegation of responsibility is outlined in the Fairfax Public Education and Outreach Strategy.</p>		
	<p>DPW-AED is responsible for ensuring a minimum of three (3) public education and outreach opportunities for each high-priority stormwater issue are provided during each MS4 General Permit reporting period using a minimum of two (2) different delivery strategies.</p>		
<b>Measurable goal by which each BMP or strategy will be evaluated</b>	<p>The City will utilize a minimum of two (2) strategies annually to provide public education and outreach for each of its high-priority stormwater issues annually.</p>		
	<p>The City will provide financial support to the NVCWP.</p>		
<b>Method utilized to determine the effectiveness</b>	<p>The City will review the public education and outreach activities offered during each MS4 General Permit reporting period to ensure that the minimum number of events was held.</p>		
<b>Compliance dates/schedules</b>	<p>For the MS4 General Permit reporting period, the City must utilize a minimum of two (2) public education and outreach strategies to provide three (3) education and outreach activities directed at the public regarding the high-priority stormwater issues – bacteria pollution, nutrient pollution, and illicit discharges.</p>		
<b>Annual reporting requirements</b>	<p>A list of the high-priority stormwater issues is included as part of the PEOP.</p>		
	<p>A list of the strategies used to communicate each high-priority stormwater issue.</p>		
	<p>City of Fairfax Stormwater PEOP documentation forms for singular or non-continuous stormwater public education and outreach events.</p>		



## Minimum Control Measure 2

BMP 2A	Public Involvement Procedures	Rev. Date	3/2022
<b>Description of selected BMPs and strategies</b>	<p>The City provides City contact information and directions for communicating stormwater issues, including illicit discharges, illegal dumping, ESC/VSMP issues, and drainage complaints, as well as for providing comments regarding the City’s MS4 Program and MS4 Program Plan, on the City Stormwater and Floodplain Management website. All citizen comments are routed through the DPW-AED Program Manager. The DPW-AED Program Manager directs the complaint to the appropriate City Department for follow-up and resolution. Records are kept in the DPW-AED.</p> <p>The public is also encouraged to provide comments, complaints, and requests through Fairfax City Resolve. Fairfax City Resolve allows citizens to communicate with the City using either Smartphone apps or via the City webpage. Citizens can submit comments and complaints on numerous stormwater-related issues including drainage issues, construction complaints, illegal dumping, and polluted runoff. Issues are automatically routed to the appropriate City department and follow-up emails are provided to the submitter. Issues and follow-up responses are tracked through Fairfax City Resolve. The DPW-AED Program Manager is automatically copied on all stormwater complaints and service requests for review and additional follow-up, if necessary.</p>		
<b>Objective/expected results</b>	<p>The City provides an open means of communication for residents regarding its MS4 Program, stormwater, and stormwater pollution.</p>		
<b>SOPs or policies necessary to implement BMPs</b>	<p>The City utilizes the mechanisms described by this BMP for public participation in its stormwater management program.</p>		
<b>Department(s) responsible for implementing BMP</b>	<p>DPW-AED</p>		
<b>Measurable goal by which each BMP or strategy will be evaluated</b>	<p>The City will maintain public reporting links on its web pages.</p>		
<b>Method utilized to determine the effectiveness</b>	<p>The City will collect and review the comments received via public participation.</p>		
<b>Compliance dates/schedules</b>	<p>There is no compliance date associated with this BMP.</p>		
<b>Annual reporting requirements</b>	<p>A summary of any public input on the MS4 program received (including stormwater complaints) and how the City responded.</p>		

BMP 2B	Stormwater and Floodplain Management Webpage	Rev. Date	3/2022
<b>Description of selected BMPs and strategies</b>	<p>The City maintains a webpage that provides information specific to its stormwater management program and meets the content requirements of the MS4 General Permit. The following information can be found on this webpage</p> <ol style="list-style-type: none"> <li>1. The City’s MS4 General Permit Notice of Coverage;</li> <li>2. The current MS4 General Permit;</li> <li>3. Copies of the previous MS4 Annual Reports;</li> <li>4. A map of the stormwater outfall locations;</li> <li>5. The City’s TMDL Action Plans;</li> <li>6. Directions for reporting illicit discharges; and</li> <li>7. Directions for submitting or comments regarding the City’s MS4 Program Plan.</li> </ol>		
<b>Objective/expected results</b>	The City will provide the public access to MS4 General Permit-required MS4 Program information.		
<b>SOPs or policies necessary to implement BMPs</b>	Stormwater and Floodplain Management webpage		
<b>Department(s) responsible for implementing BMP</b>	DPW-AED is responsible for ensuring that the required MS4 Program information is included on the Stormwater and Floodplain Management webpage.		
<b>Measurable goal by which each BMP or strategy will be evaluated</b>	The City will provide public access to the MS4 Program and supplemental information via the City’s Stormwater and Floodplain Management webpage.		
<b>Method utilized to determine the effectiveness</b>	Once during each MS4 General Permit reporting cycle, DPW-AED will review the City’s Stormwater and Floodplain webpage to confirm that the information is up to date.		
<b>Compliance dates/schedules</b>	The webpage must be functional within three (3) months of MS4 General Permit issuance (February 1, 2019).		
	The webpage must be maintained throughout the MS4 General Permit cycle.		
	The MS4 Annual Report must be placed on the webpage no later than thirty (30) days after it is submitted to DEQ (due November 1).		
<b>Annual reporting requirements</b>	The webpage address of the City’s MS4 Program and stormwater website.		

BMP 2C	Stormwater Public Participation Initiative	Rev. Date	3/2022
<b>Description of selected BMPs and strategies</b>	The City of Fairfax provides numerous public participation opportunities as outlined in its Stormwater Public Participation Initiative. Participation activities that are continuously available to the public include pet waste stations, household hazardous waste collection centers, the Adopt-a-Spot program, the wastewater lateral repair and replacement program, and the NVSWCD <sup>5</sup> Virginia Conservation Assistance Program (VCAP). The City provides additional participation opportunities during each MS4 General Permit reporting cycle including Environmental Sustainability Committee participation, stream restoration, and cleanup events, and other dedicated events. Public participation opportunities that are one-time and not continuously available must be documented using the City of Fairfax Stormwater Public Participation Documentation Form.		
<b>Objective/expected results</b>	The City will provide a minimum of four (4) public opportunities using a minimum of two (2) of the public involvement opportunity types, annually.		
<b>SOPs or policies necessary to implement BMPs</b>	City of Fairfax Stormwater Public Participation Initiative,		
	NVSWCD Memorandum of Understanding		
<b>Department(s) responsible for implementing BMP</b>	Delegation of responsibility is outlined in the Fairfax Public Participation Initiative		
	DPW-AED		
<b>Measurable goal by which each BMP or strategy will be evaluated</b>	The City will provide a minimum of four (4) public involvement opportunities selected from a minimum of two (2) of the public involvement opportunity types during each MS4 General Permit reporting period.		
<b>Method utilized to determine the effectiveness</b>	The City will review the number of activities and associated strategy types utilized to determine if the measurable goal has been reached.		
<b>Compliance dates/schedules</b>	The City must offer a minimum of four (4) opportunities for public participation selected from at least two public involvement types.		
<b>Annual reporting requirements</b>	A description of the public involvement activities provided by the City.		
	City of Fairfax Stormwater Public Participation Documentation forms for non-perpetual public participation activities.		
	A report on the metric for each activity and an evaluation as to whether the activity is beneficial to water quality.		
	The name of any additional MS4 permittees with whom the City collaborates in providing public involvement opportunities.		

<sup>5</sup> As an independent city, the City is not covered by a local SWCD; thus, its residents were ineligible for VCAP participation. The City entered into an MOU with the NVSWCD in order for its citizens to participate in VCAP.



## Minimum Control Measure 3

<b>BMP 3A</b>	<b>Geographic Information System (GIS) Mapping</b>	<b>Rev. Date</b>	<b>3/2022</b>
<b>Description of selected BMPs and strategies</b>	The City maintains stormwater infrastructure-related data in spatially enabled relational databases. This means of data storage management allows for the production of maps documenting the location of the City's various stormwater infrastructure including MS4 outfall and stormwater management facilities.		
<b>Objective/expected results</b>	The City will produce a map that documents and labels the stormwater infrastructure required by the MS4 General Permit.		
<b>SOPs or policies necessary to implement BMPs</b>	Up-to-date MS4 Stormwater Outfalls Information Table and generated map. For copies of the current MS4 Outfall Map, contact DPW-AED.		
<b>Department(s) responsible for implementing BMP</b>	DPW-AED is responsible for maintaining data in such a manner to produce an accurate and complete MS4 Map.		
<b>Measurable goal by which each BMP or strategy will be evaluated</b>	The production of an accurate and complete MS4 Map that contains the information requested by the MS4 General Permit.		
<b>Method utilized to determine effectiveness</b>	DPW-AED will review stormwater-related data to ensure all the required MS4 Outfall data fields and City-owned/operated stormwater management facilities are being maintained.		
<b>Compliance dates/schedules</b>	No later than July 1, 2022, the City was required to submit to DEQ a GIS-compatible shapefile of the City's MS4 Map. The City is also required to submit a GIS-compatible shapefile of the City's MS4 Map within 14-days of any DEQ request, throughout the permit cycle.		
	By October 1 of each year, the City must update the MS4 Map to reflect new construction, modifications, and field observations.		
<b>Annual reporting requirements</b>	Confirmation statement that the MS4 Map was updated to reflect any changes to the MS4 that occurred during the reporting period.		

BMP 3B	MS4 Data Management Tracking	Rev. Date	3/2022
<b>Description of selected BMPs and strategies</b>	DPW-AED maintains spatially enabled relational databases containing information specific to MS4 outfalls and City-owned BMPs.		
<b>Objective/expected results</b>	The City will maintain up-to-date spatially enabled relational databases.		
<b>SOPs or policies necessary to implement BMPs</b>	Up-to-date MS4 Stormwater Outfalls Information Table		
<b>Department(s) responsible for implementing BMP</b>	DPW-AED is responsible for maintaining spatially enabled relational databases.		
<b>Measurable goal by which each BMP or strategy will be evaluated</b>	The City will continue to collect the necessary data to maintain up-to-date spatially enabled relational databases.		
<b>Method utilized to determine effectiveness</b>	Review City's MS4 Outfall Data Information Table associated with City Stormwater System Map and MS4 Outfall Data Information to ensure all required updates have been completed.		
<b>Compliance dates/schedules</b>	By October 1 of each year, the City must update the MS4 Outfall Data Information Table to reflect changes made to the MS4 Map for new construction, modifications, and field observations.		
<b>Annual reporting requirements</b>	Confirmation statement that the MS4 Outfall Data Information Table was updated to reflect any changes to the MS4 occurring on or before June 30 of the reporting year.		

BMP 3C	Downstream MS4 Interconnection – Operator Notification	Rev. Date	3/2022
<b>Description of selected BMPs and strategies</b>	The City has provided formal notification to VDOT, GMU, and Fairfax County of the potential for MS4 physical interconnections.		
<b>Objective/expected results</b>	Share information with downstream MS4 operators of physical interconnections for potential collaborative efforts.		
<b>SOPs or policies necessary to implement BMPs</b>	The MS4 Stormwater Outfalls Information Table and generated map		
	Notice of Potential Physically Interconnected Stormwater Systems – Fairfax County		
	Notice of Potential Physically Interconnected Stormwater Systems – George Mason University		
	Notice of Potential Physically Interconnected Stormwater Systems – Virginia Department of Transportation		
<b>Department(s) responsible for implementing BMP</b>	DPW-AED		
<b>Measurable goal by which each BMP or strategy will be evaluated</b>	Successful notification to downstream MS4 operators of physical interconnections.		
<b>Method utilized to determine effectiveness</b>	Review GIS MS4 Outfall Data Information Table associated with the City Stormwater System Map to identify any new interconnections.		
<b>Compliance dates/schedules</b>	The City must notify adjacent MS4s of newly established or identified physical interconnections discovered within the MS4 General Permit reporting period.		
<b>Annual reporting requirements</b>	List of written notifications to applicable adjacent downstream MS4 operators.		

<b>BMP 3D</b>	<b>Prohibition of MS4 Illicit Discharges</b>	<b>Rev. Date</b>	<b>3/2022</b>
<b>Description of selected BMPs and strategies</b>	The City Zoning Ordinance Chapter 110, Article 4. I. provides the necessary legal authority prohibiting unauthorized non-stormwater discharges into the City's MS4.		
<b>Objective/expected results</b>	The City will maintain the legal authority to enforce City Code regarding illicit discharges.		
<b>SOPs or policies necessary to implement BMPs</b>	City's Zoning Ordinance Chapter 110, Article 4. I.		
<b>Department(s) responsible for implementing BMP</b>	DPW is responsible for ensuring that the City's Zoning Ordinance is updated as necessary to ensure the elimination of unauthorized non-stormwater discharges consistent with the latest MS4 General Permit.		
	DPW-AED is responsible for implementing City Code and enforcement procedures to eliminate unauthorized discharges to the City's MS4.		
	The City Attorney's Office is responsible for assisting DPW in ensuring the elimination of illicit discharges under the City's Zoning Ordinance.		
<b>Department(s) responsible for implementing BMP</b>	Utilize City Code to ensure adequacy in eliminating unauthorized discharges to the City's MS4.		
<b>Measurable goal by which each BMP or strategy will be evaluated</b>	Review of illicit discharges identified and enforcement activities from each year and the adequacy of City Code for elimination.		
<b>Method utilized to determine effectiveness</b>	DPW-AED must annually review the City's Zoning Ordinance to ensure proper and up-to-date legal authorities remain in place.		
<b>Compliance dates/schedules</b>	MCM 3 does not include specific compliance dates or schedules for implementing prohibition of unauthorized discharges.		

BMP 3E	Illicit Discharge Detection and Elimination (IDDE)	Rev. Date	3/2022
<b>Description of selected BMPs and strategies</b>	The City has developed written Illicit Discharge Detection and Elimination (IDDE) Procedures that provide staff and contractors guidance when conducting illicit discharge detection, investigation, and elimination activities.		
<b>Objective/expected results</b>	Develop and implement a program to identify and eliminate potential illicit discharges into the City's MS4.		
<b>SOPs or policies necessary to implement BMPs</b>	Illicit Discharge Detection and Elimination Procedures		
<b>Department(s) responsible for implementing BMP</b>	The CFD-Fire Marshal's Office is responsible for illicit discharge investigation and enforcement of the City Code.		
	DPW-AED is responsible for maintaining, implementing, and enforcing the City's IDDE Procedures; including the identification and elimination of illicit discharges to the City's MS4.		
	DPW-AED is responsible for the administration of the IDDE program, including record keeping and documentation.		
<b>Measurable goal by which each BMP or strategy will be evaluated</b>	Implement the IDDE Procedures to continue to identify and eliminate illicit discharges into the MS4.		
<b>Method utilized to determine effectiveness</b>	Evaluate the number of potential illicit discharges identified each year and review how the City addressed them.		
<b>Compliance dates / schedules</b>	MCM 3 does not include any specific compliance dates or schedules aside the annual reporting requirements.		
<b>Annual reporting requirements</b>	<p>A list of illicit discharges to the MS4 including spills that reached the MS4 that includes the following information:</p> <ol style="list-style-type: none"> <li>1. The source of illicit discharge;</li> <li>2. The dates that the discharge was observed, reported, or both;</li> <li>3. Whether the discharge was discovered by the permittee during dry weather screening, reported by the public, or another method;</li> <li>4. How the investigation was resolved;</li> <li>5. A description of any follow-up activities; and</li> <li>6. The date the investigation was closed.</li> </ol>		

BMP 3F	Dry Weather Field Screening	Rev. Date	3/2022
<b>Description of selected BMPs and strategies</b>	The DPW-AED selects and conducts dry weather screening on 50 MS4 outfalls following the written IDDE Procedures. Required follow-up inspections are conducted as directed in the IDDE procedures.		
<b>Objective/expected results</b>	Identification and elimination of illicit discharges through the implementation of prioritized dry weather screening.		
<b>SOPs or policies necessary to implement BMPs</b>	Illicit Discharge Detection and Elimination (IDDE) Procedures		
	MS4 Outfall database		
<b>Department(s) responsible for implementing BMP</b>	DPW-AED is responsible for ensuring the annual dry weather screening is completed, any necessary follow-up investigations are conducted and records and documentation are properly recorded.		
<b>Measurable goal by which each BMP or strategy will be evaluated</b>	The City will conduct field screening on a minimum of 50 MS4 Outfalls annually.		
	The City will complete all necessary follow-up investigations regarding potential illicit discharges and take any necessary action to eliminate identified illicit discharges.		
<b>Method utilized to determine effectiveness</b>	DPW-AED will review the dry weather screening results to ensure that a minimum of 50 MS4 outfalls are screened annually and that all necessary follow-up investigations have been completed and that identified illicit discharges have been eliminated.		
<b>Compliance dates/schedules</b>	Conduct a minimum of 50 outfalls during each MS4 General Permit reporting period as outlined in the IDDE Procedures.		
<b>Annual reporting requirements</b>	The total number of outfalls screened during the reporting period as part of the dry weather screening program.		



## Minimum Control Measure 4

BMP 4A	DEQ-Authorized Virginia Erosion & Sediment Control Program (VЕСP)	Rev. Date	3/2022
<b>Description of selected BMPs and strategies</b>	<p>The City operates a DEQ-authorized VЕСP. The City’s legal authority resides in the Zoning Ordinance Chapter 110, Articles 4.16 and 6.12. As a Tidewater locality, the City requires submission and approval of ESC plans for land disturbance activities that are 2,500 sq. ft. or larger. To implement this, the City has developed two ESC plan checklists – one, which is included as part of the City of Fairfax Site Plan Package, must be met and submitted to the Department of Community Development and Planning (CDP) for construction activities other than single-family residential construction, and one, which is included in the City of Fairfax Single Lot Grading Plan Package, and must be met for single-family house construction. The VЕСP staff hold DEQ certifications as combined administrators, plan reviewers, and inspectors. Projects, including City-financed projects, must comply with the City of Fairfax Public Facilities Manual (PFM), which requires approval of a plan before commencement of a land disturbance activity (PFM Section 9.1.5).</p>		
<b>Objective/expected results</b>	<p>Effective compliance with City VЕСP requirements on regulated active construction and land disturbance.</p>		
<b>SOPs or policies necessary to implement BMPs</b>	<p>Chapter 110, Articles 4.16 and 6.12 of the City Code of Ordinances</p> <p>City of Fairfax Site Plan Package</p> <p>City of Fairfax Single Lot House Grading Plan Package</p> <p>ESC Program Policies and Procedures – Inspections</p> <p>ESC Policies and Procedures – Enforcement</p> <p>City of Fairfax PFM</p> <p>Approved erosion and sediment control plans for individual land disturbance activities</p>		
<b>Department(s) responsible for implementing BMP</b>	<p>CDP is responsible for coordinating City permit approval and plan review.</p> <p>DPW-AED is responsible for ESC plan review, inspection, compliance, recordkeeping, and documentation.</p>		
<b>Measurable goal by which each BMP or strategy will be evaluated</b>	<p>The City will implement its VЕСP consistent with the Virginia ESC Control Law (Title 62.1 Chapter 3.1 Article 2.3 of the Code of Virginia) and regulations (9VAC25-840 and 9VAC25-850).</p>		
<b>Method utilized to determine the effectiveness</b>	<p>The City will utilize the results of periodic DEQ evaluations of its VЕСP programs to determine their implementation effectiveness.</p>		
<b>Compliance dates/schedules</b>	<p>MCM 4 does not include any specific compliance dates or schedules aside from those identified as annual reporting requirements.</p>		
<b>Annual reporting requirements</b>	<p>The total number of ESC inspections conducted during each MS4 General Permit reporting permit.</p> <p>The total number and type of ESC enforcement actions taken by the City during the MS4 General Permit reporting period.</p>		



## Minimum Control Measure 5

BMP 5A	DEQ-Authorized Virginia Stormwater Management Program (VSMP)	Rev. Date	3/2022
<b>Description of selected BMPs and strategies</b>	<p>The City operates a DEQ-authorized VSMP. Legal authority is provided in the Zoning Ordinance Chapter 110, Articles 4.16, 5.8, and 6.14. Department responsibilities are identified in the City of Fairfax VSMP responsibility chart. As a Tidewater locality, the City requires SWM plans for land disturbance activities that are 2,500 sq. ft or greater. The City has developed two SWM application packages that include checklists – the Stormwater Package for Land Disturbance &gt; 2,500 sq. ft. and &gt; 1 acre, which requires the development and implementation of a stormwater pollution prevention plan (SWPPP) during active construction, and the Stormwater Package for Land Disturbance &gt; 1 acre, which requires that General VPDES Permit for Discharge of Stormwater from Construction Activities coverage be obtained in addition to the development and implementation of an SWPPP. Both SWM application packages include a checklist of required items including a Standard Best Management Practices Facilities Maintenance and Monitoring Agreement. The City VSMP program is staffed by DEQ-certified combined administrators, plan reviewers, and inspectors. The VSMP Policies and Procedures – Inspection and VSMP Policies and Procedures – Enforcement outlines the inspection and compliance measures to ensure compliance. City projects are required to comply with the PFM, including Section 6 – Stormwater Drainage Design.</p>		
<b>Objective/expected results</b>	<p>Effective compliance with City VSMP requirements on regulated new development and redevelopment projects during active construction.</p>		
<b>SOPs or policies necessary to implement BMPs</b>	<p>Chapter 110, Articles 4.16, 5.8, and 6.14 of the City Code of Ordinances            DEQ VSMP Authorization            VSMP Policies and Procedures – General Overview            City of Fairfax VSMP Responsibility Chart            VSMP Authority Permit Application (&gt;1 acre)            VSMP Authority Permit Application (&lt;2,500 sq. ft. – &lt;1 acre)            Standard Best Management Practices Facilities Maintenance and Monitoring Agreement            VSMP Policies and Procedures – Inspection            VSMP Policy and Procedures – Enforcement            City of Fairfax PFM            Approved stormwater management plans and SWPPPs for individual projects.</p>		
<b>Department(s) responsible for implementing BMP</b>	<p>DCDP is responsible for coordinating City permit approval and plan review.            DPW-AED is responsible for SWM plan review, inspection, compliance, recordkeeping, and documentation.</p>		
<b>Measurable goal by which each BMP or strategy will be evaluated</b>	<p>The City will implement its VSMP consistent with the Virginia Stormwater Management Act (Title 62.1 Chapter 3.1 Article 2.3 of the Code of Virginia) and regulation (9VAC25-850 and 9VAC25-870).</p>		
<b>Method utilized to determine the effectiveness</b>	<p>The City will utilize the results of periodic DEQ evaluations of its VSMP programs to determine their implementation effectiveness.</p>		
<b>Compliance dates/schedules</b>	<p>MCM 5 does not include any specific compliance dates or schedules aside from those identified as annual reporting requirements.</p>		
<b>Annual reporting requirements</b>	<p>The total number of VSMP inspections conducted during each permit year.</p>		
	<p>The total number and type of VSMP enforcement actions taken by the City during the permit year.</p>		

BMP 5B	City-Owned/Operated SWM Facility Inspections	Rev. Date	3/2022
<b>Description of selected BMPs and strategies</b>	DPW-AED maintains an up-to-date list of City-owned/operated SWM facilities. DPW-AED (or its approved contractor) conducts annual inspections on 100% of the City-owned/operated SWM facilities. Inspections are completed following the Inspection and Maintenance of City-Owned/Operated SWM Facility SOP.		
<b>Objective/expected results</b>	Inspection to identify and document required maintenance activities for inclusion in the annual stormwater maintenance contract scope of work.		
<b>SOPs or policies necessary to implement BMPs</b>	VSMP Policy and Procedures – City Owned/Operated SWM Facility Inspection and Maintenance		
	Individual SWM facility as-builts or final design plans		
<b>Department(s) responsible for implementing BMP</b>	DPW-AED is responsible for conducting SWM facility inspections and documenting SWM facility inspections (and completion of required maintenance) in the City’s tracking spreadsheet/database.		
	DPW-AED is responsible for conducting maintenance on public SWM facilities.		
<b>Measurable goal by which each BMP or strategy will be evaluated</b>	The City will annually inspect 100% of its SWM facilities to prepare an annual stormwater maintenance contract scope of work.		
<b>Method utilized to determine effectiveness</b>	The City will compare the number of inspections with the number of City-owned/operated SWM facilities to ensure a 100% inspection rate.		
<b>Compliance dates/schedules</b>	MCM 5 does not include any specific compliance dates or schedules aside from those identified as annual reporting requirements.		
<b>Annual reporting requirements</b>	The total number of inspections conducted on the City-owned/operated SWM facilities.		
	A description of the significant maintenance, repair, or retrofit activities, not including routine activities, performed on public SWM facilities to ensure that they continue to perform as designed. For MS4 annual reporting purposes, the City should include a copy of the non-routine maintenance requirements included in the annual stormwater maintenance contract scope of work.		

BMP 5C	City-Owned/Operated SWM Facility Maintenance	Rev. Date	3/2022
<b>Description of selected BMPs and strategies</b>	Maintenance is completed following the Inspection and Maintenance of City-Owned/Operated SWM Facility SOP.		
<b>Objective/expected results</b>	Implementation of a routine maintenance program that incorporates any additional required maintenance identified as a result of annual inspections will ensure that City-owned/operated SWM facilities continue to function as designed.		
<b>SOPs or policies necessary to implement BMPs</b>	VSMP Policy and Procedures – City Owned/Operated SWM Facility Inspection and Maintenance		
	Annual scope of work and contract documents associated with maintenance completion.		
	Individual stormwater facility as-builts or final design plans.		
<b>Department(s) responsible for implementing BMP</b>	DPW-AED is responsible for developing the annual Scope of Work for the third-party contractor and overseeing the implementation of the associated task order.		
	DPW-AED is responsible for ensuring that SWM facility maintenance records are maintained.		
<b>Measurable goal by which each BMP or strategy will be evaluated</b>	The City will annually develop an SWM facility Scope of Work detailing both the routine and required maintenance.		
	The City will complete routine and required SWM facility maintenance using in-house forces or a third-party contractor.		
<b>Method utilized to determine effectiveness</b>	The City will review the required contractor reports and conduct site visits to ensure that the maintenance/repairs included in the Scope of Work is complete.		
<b>Compliance dates/schedules</b>	MCM 5 does not include any specific compliance dates or schedules aside from those identified as annual reporting requirements.		
<b>Annual reporting requirements</b>	A description of the significant maintenance, repair, or retrofit activities, not including routine activities, performed on public SWM facilities to ensure that they continue to perform as designed.		

BMP 5D	Private SWM Facility Inspection and Long-Term Compliance	Rev. Date	3/2022
<b>Description of selected BMPs and strategies</b>	DPW-AED maintains an up-to-date list of privately-owned SWM facilities (private SWM facilities) as described in BMP 5D. DPW-AED (or its approved agents) conducts rotating inspections on the listed private SWM facilities to ensure that all private SWM facilities are inspected at least once every five (5) years. Inspections are completed consistent with the Inspection and Maintenance of Privately-Owned/Operated SWM Facility SOP.		
<b>Objective/expected results</b>	Implement an inspection and maintenance program that ensures that the private SWM facilities are functioning as designed.		
<b>SOPs or policies necessary to implement BMPs</b>	VSMP Policy and Procedures -Private SWM Facility Inspection and Maintenance		
	Individual BMP Facilities Maintenance and Monitoring Agreements		
	Individual SWM facility approved plans and/or final as-builts		
	Appropriate SWM facility inspection form		
<b>Department(s) responsible for implementing BMP</b>	DPW-AED is responsible for conducting SWM facility inspections and documenting SWM facility inspections (including any necessary compliance activities taken) in the City's tracking spreadsheet/database.		
<b>Measurable goal by which each BMP or strategy will be evaluated</b>	The City will conduct inspections on private SWM facilities on a schedule to ensure that private SWM facilities are inspected at least once every five (5) years.		
	The City will take appropriate enforcement actions to ensure that required maintenance is completed on private SWM facilities.		
<b>Method utilized to determine effectiveness</b>	The City will review the number of private SWM facility inspections completed to ensure that all private SWM facilities are inspected at least once every five (5) years.		
<b>Compliance dates/schedules</b>	MCM 5 does not include any specific compliance dates or schedules aside from those identified as annual reporting requirements.		
<b>Annual reporting requirements</b>	The number of privately-owned SWM facilities inspected.		
	The number and type of enforcement actions initiated by the City to ensure long-term maintenance of privately-owned SWM facilities.		

BMP 5E	SWM Facility Asset Management	Rev. Date	3/2022
<b>Description of selected BMPs and strategies</b>	DPW-AED collects and enters BMP data into a spreadsheet that consists of separate worksheets – one for private SWM facilities and BMPs and one for City-owned/operated SWM facilities.		
<b>Objective/expected results</b>	Maintain an up-to-date record of SWM facilities in the City to schedule and track inspections, assure appropriate TMDL assignment, and as a means of tracking maintenance needs.		
<b>SOPs or policies necessary to implement BMPs</b>	DPW-AED BMP spreadsheet (the most recent version is maintained at DPW-AED)		
<b>Department(s) responsible for implementing BMP</b>	DPW-AED is responsible for tracking new facilities and maintaining the inventory spreadsheet (including data entry into the City's and DEQ's spreadsheets/databases).		
<b>Measurable goal by which each BMP or strategy will be evaluated</b>	The City will implement timely updates to its electronic BMP spreadsheet to meet the compliance schedules.		
<b>Method utilized to determine effectiveness</b>	The City will evaluate the spreadsheet during the development of the MS4 Annual Report to ensure that all SWM facilities are in the inventory.		
<b>Compliance dates/schedules</b>	The electronic spreadsheet shall be updated no later than 30 days after a new SWM facility is brought online, a new BMP is implemented to meet a TMDL load reduction as required in Part II or discovered if it is an existing SWM facility.		
	By October 1 of each year, the permittee shall electronically report the SWM facilities and BMPs implemented between July 1 of the previous year and June 30 of that year using the DEQ BMP Warehouse and associated reporting template for any practices not reported per Part I E 5 f including SWM facilities installed to control post-development stormwater runoff from land disturbance activities less than one acre per the Chesapeake Bay Preservation Act regulations (9VAC25-830) and for which a General VPDES Permit for Discharges of Stormwater from Construction Activities was not required.		
<b>Annual reporting requirements</b>	A confirmation statement that the City submitted SWM facility information through the Virginia Construction Stormwater General Permit database for land disturbance activities required to obtain coverage under the General VPDES Permit for Discharges of Stormwater from Construction Activities.		
	A confirmation statement that the City electronically reported BMPs using the DEQ BMP Warehouse and the date upon which the information was submitted.		



## Minimum Control Measure 6

<b>BMP 6A</b>	<b>Pollution Prevention and Good Housekeeping SOPs</b>	<b>Rev. Date</b>	<b>2/2022</b>
<b>Description of selected BMPs and strategies</b>	The City has developed a series of nine (9) pollution prevention and good housekeeping SOPs. Each SOP consists of an objective, responsible party, and a list of procedures. These SOPs are intended to supplement the City Property Yard’s Stormwater Pollution Prevention Plan when the activities occur outside of the Property Yard grounds.		
<b>Objective/expected results</b>	Development and implementation of written pollution prevention/good housekeeping procedures to minimize the potential for stormwater contamination resulting from City practices and activities.		
<b>SOPs or policies necessary to implement BMPs</b>	GH SOP – General Pollution Prevention and Good Housekeeping GH SOP – Illicit Discharges and Spill Response GH SOP – Landscaping and Grounds Maintenance GH SOP – Non-Stormwater Discharges GH SOP – Road Street and Parking Lot Maintenance GH SOP – Storm Drainage System Cleaning GH SOP – Vehicle and Equipment Fueling GH SOP – Vehicle and Equipment Maintenance GH SOP – Vehicle and Equipment Washing		
<b>Department(s) responsible for implementing BMP</b>	DPW-AED is responsible for the development and upkeep of the Pollution Prevention and Good Housekeeping SOPs and their distribution to other applicable City departments.		
	The City departments (and their associated contractors) responsible for implementation are identified in the individual SOP.		
<b>Measurable goal by which each BMP or strategy will be evaluated</b>	The City will implement written pollution prevention/good housekeeping procedures as part of its overall daily operations throughout the MS4 Service Area.		
<b>Method utilized to determine effectiveness</b>	Evaluation of activities to ensure that appropriate procedures are in place.		
<b>Compliance dates/schedules</b>	MCM 6 does not include any specific compliance dates or schedules aside from those identified as annual reporting requirements.		
<b>Annual reporting requirements</b>	A summary of any operational procedures developed or modified per Part I. E. 6. A. during the reporting period.		

BMP 6B	High Priority Municipal Facility (HPMF) Evaluations	Rev. Date	3/2022
<b>Description of selected BMPs and strategies</b>	The City previously evaluated the City facility universe and determined the existence of only one high priority municipal facility – the City Property Yard, which is located at 3410 Pickett Road, Fairfax, VA 22031. The other City facilities do not meet the definition of a HPMF and thus do not require annual evaluations to determine the potential for discharging pollutants or the need to develop a high priority SWPPP.		
<b>Objective/expected results</b>	Identify City-owned and operated HPMFs that have a high potential for discharging pollutants.		
<b>SOPs or policies necessary to implement BMPs</b>	N/A		
<b>Department(s) responsible for implementing BMP</b>	DPW-AED is responsible for evaluating City-owned HPMFs to determine if the HPMFs have a high potential of discharging pollutants and to determine if a site-specific SWPPP is required.		
<b>Measurable goal by which each BMP or strategy will be evaluated</b>	Identify City-owned and operated facilities that are required to have a site-specific SWPPP.		
<b>Method utilized to determine effectiveness</b>	Evaluate stormwater pollution potential posed by City-owned and operated facilities.		
<b>Compliance dates/schedules</b>	Within 12 months of state permit coverage, identify which of the high-priority facilities have a high potential of discharging pollutants [ <b>Complete</b> ].		
	Annually, by June 30, review any HPMF for which an SWPPP has not been developed to determine if the HPMF has a high potential to discharge pollutants. [ <b>Not applicable</b> ]		
	No later than December 31 of each year, develop an SWPPP for any HPMF identified during the annual HPMF review as having a high potential to discharge pollutants. [ <b>Not applicable</b> ]		
<b>Annual reporting requirements</b>	A summary of any new SWPPPs developed during the reporting period.		
	The rationale of any HPMF delisted per Part I E 6 h during the reporting period.		

BMP 6C	HP-SWPPP for the City Public Yard	Rev. Date	3/2022
<b>Description of selected BMPs and strategies</b>	The City Property Yard, located at 3410 Pickett Road, Fairfax, VA, 22031, is a HPMF with a high potential for discharging pollutants. The City has developed and implemented the Fairfax Property Yard SWPPP. The most current SWPPP version is housed at the Property Yard and includes copies of inspections, spills, releases, and SWPPP modifications.		
<b>Objective/expected results</b>	Minimization of stormwater pollutant discharge through the implementation of the City of Fairfax Property Yard Facility SWPPP.		
<b>SOPs or policies necessary to implement BMPs</b>	Fairfax Property Yard SWPPP		
<b>Department(s) responsible for implementing BMP</b>	DPW is responsible for the overall day-to-day implementation of the City Property Yard. DPR and other departments are responsible for specific portions of the City Property Yard as identified in the HP-SWPPP.		
	DPW-AED is responsible for coordination with each individual high-priority City facility to ensure that SWPPPs are being implemented and the SWPPP document is being maintained. DPW-AED is responsible for conducting routine inspections and the annual SWPPP evaluation.		
<b>Measurable goal by which each BMP or strategy will be evaluated</b>	The SWPPP is designed to minimize stormwater pollution specific to the City Property Yard facility.		
	The SWPPP is implemented as directed.		
<b>Method utilized to determine effectiveness</b>	The City will utilize regular and annual inspections to determine if the Fairfax Property Yard SWPPP is being properly implemented.		
	The City will utilize its annual SWPPP evaluation to determine if additional modifications are necessary to minimize stormwater pollution more effectively.		
<b>Compliance dates/schedules</b>	The City must review the contents of the Fairfax Property Yard SWPPP within thirty (30) days after any unauthorized discharge, release, or spill reported per Part III G of the MS4 General Permit to determine if any additional measures are required to prevent future unauthorized discharges.		
	The City must update the contents of the Fairfax Property Yard SWPPP within ninety (90) days after any unauthorized discharge, release, or spill reported per Part III G of the MS4 General Permit to include any additional measures are required to prevent future unauthorized discharges.		
<b>Annual reporting requirements</b>	A summary of modifications made to the Fairfax Property Yard SWPPP.		

BMP 6D	Turf and Landscape Nutrient Management Plans (NMPs)	Rev. Date	3/2022						
<b>Description of selected BMPs and strategies</b>	<p>The City has developed turf and landscape NMPs for the six (6) City locations where fertilizers are applied to areas greater than one contiguous acre in size:</p> <table border="0" data-bbox="516 331 1240 445"> <tr> <td>Daniels Run ES – 2.96 acres</td> <td>Kutner Park – 1.68 acres</td> </tr> <tr> <td>Green Acres Center – 3.68 acres</td> <td>Pat Rodio Park – 2.91 acres</td> </tr> <tr> <td>Katherine Jones MS – 5.31 acres</td> <td>Providence ES – 4.70 acres</td> </tr> </table>			Daniels Run ES – 2.96 acres	Kutner Park – 1.68 acres	Green Acres Center – 3.68 acres	Pat Rodio Park – 2.91 acres	Katherine Jones MS – 5.31 acres	Providence ES – 4.70 acres
Daniels Run ES – 2.96 acres	Kutner Park – 1.68 acres								
Green Acres Center – 3.68 acres	Pat Rodio Park – 2.91 acres								
Katherine Jones MS – 5.31 acres	Providence ES – 4.70 acres								
<b>Objective/expected results</b>	The City will implement NMPs on 21.24 acres of City lands.								
<b>SOPs or policies necessary to implement BMPs</b>	Nutrient Management Plan – Daniels Run ES								
	Nutrient Management Plan – Green Acres Center								
	Nutrient Management Plan – Kutner Park								
	Nutrient Management Plan – Katherine Johnson MS								
	Nutrient Management Plan – Pat Rodio								
	Nutrient Management Plan – Providence ES								
<b>Department(s) responsible for implementing BMP</b>	DPR is responsible for implementing NMPs at City locations.								
	DPW-AED is responsible for ensuring NMPs are current and up to date.								
<b>Measurable goal by which each BMP or strategy will be evaluated</b>	The City will implement and maintain NMPs on City facilities where nutrients are applied to an area greater than one (1) contiguous acre.								
<b>Method utilized to determine the effectiveness</b>	The City will maintain fertilizer application records with the NMP.								
<b>Compliance dates/schedules</b>	MCM 6 does not include any specific compliance dates or schedules aside from those identified as annual reporting requirements.								
	NMPs must be recertified by a certified nutrient management planner every three (3) years. The NMPs were last certified in 2021.								
<b>Annual reporting requirements</b>	<p>A summary of any new turf and landscape nutrient management plans developed including:</p> <ol style="list-style-type: none"> <li>1. Location and the total acreage of each land area; and</li> <li>2. The date of the approved nutrient management plan.</li> </ol>								

BBMP 6E	Contractor Management and Oversight	Rev. Date	3/2022
<b>Description of selected BMPs and strategies</b>	The City places standard language into City contracts requiring the contractor to respect, adhere to, and comply with such ordinances and laws pertaining to the contracted services. The City also places a Termination for Cause into its contracts in case the contractor “disregards laws, ordinances, or rules, regulations or orders of a public authority having jurisdiction.” These conditions provide the City legal authority to address pollution prevention associated with contracted services. All projects must be designed and installed consistent with the City of Fairfax PFM. This includes compliance with ESC and SWM requirements.		
<b>Objective/expected results</b>	City contractors will use appropriate control measures to minimize the discharge of pollutants to the MS4.		
<b>SOPs or policies necessary to implement BMPs</b>	Individual contract language City of Fairfax PFM		
<b>Department(s) responsible for implementing BMP</b>	DPW-AED is responsible for communicating the SWM requirements to other City departments.		
	Individual City departments are responsible for ensuring that the SMW requirements are included in the procurement documents and are followed during the contracted project.		
<b>Measurable goal by which each BMP or strategy will be evaluated</b>	City contracts will contain standard language requiring that contractors respect, adhere to, and comply with such ordinances and laws pertaining to the provided services and the City’s right to terminate the contract.		
	City projects will develop and implement erosion and sediment control and stormwater management plans consistent with the PFM.		
<b>Method utilized to determine effectiveness</b>	The City procurement staff to ensure that standard contract language is included in all City contracts.		
	Land-disturbing plans will be reviewed and approved before construction and regular site inspections will be conducted to assure compliance.		
<b>Compliance dates/schedules</b>	MCM 6 does not include any specific compliance dates or schedules aside from those identified as annual reporting requirements.		
<b>Annual reporting requirements</b>	There are no annual reporting requirements regarding this BMP.		

BMP 6F	Stormwater Management Training	Rev. Date	3/2022
<b>Description of selected BMPs and strategies</b>	DPW-AED has developed the City of Fairfax Training Plan, which includes the training requirements, a biennial schedule, and identifies the staff that should be provided training. Individual departments are responsible to provide staff training.		
<b>Objective/expected results</b>	To develop and provide training for staff and ensure contractors are appropriately trained, so both groups that participate in operations and maintenance activities are enabled to minimize or prevent pollutant discharge from 1) daily operations such as road, street, and parking lot maintenance; 2) equipment maintenance; and 3) the application, storage, transport, and disposal of pesticides, herbicides, and fertilizers		
<b>SOPs or policies necessary to implement BMPs</b>	City of Fairfax Training Program		
<b>Department(s) responsible for implementing BMP</b>	DPW-AED is responsible for: <ol style="list-style-type: none"> <li>Maintaining training attendance forms.</li> <li>Operating VESCP and VSMP utilizing DEQ-certified staff.</li> <li>Tracking events, coordinating training with other City departments, and documenting that necessary training has occurred.</li> </ol>		
	DPW and DPR are each responsible for: <ol style="list-style-type: none"> <li>Coordinating training with DPW-AED for applicable staff regarding illicit discharge recognition, good housekeeping, and pollution prevention.</li> <li>Ensuring applicable staff and contractors are certified under the Virginia Pesticide Control Act for pesticide activities.</li> </ol>		
	CFD is responsible for internal staff training on hazardous waste management and spill response.		
<b>Measurable goal by which each BMP or strategy will be evaluated</b>	The City will implement the written training plan per its schedule.		
<b>Method utilized to determine effectiveness</b>	Conduct an annual review of the training accomplished within the identified departments that are subject to stormwater management training requirements		
<b>Compliance dates/schedules</b>	MCM 6 does not include any additional specific compliance dates or schedules outside of what is identified in the annual reporting requirements.		
<b>Annual reporting requirements</b>	A list of the training events conducted per Part I E 6 m, including the following information: <ol style="list-style-type: none"> <li>The date of the training event;</li> <li>The number of employees who attended the training event; and</li> <li>The objective of the training event.</li> </ol>		