CITY OF FAIRFAX, VIRGINIA

PERMIT 5/YEAR 2 (FY2025)
MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) ANNUAL REPORT

Reporting Period: July 1, 2024 - June 30, 2025

In accordance with:
VPDES General Permit for
Small Municipal Separate Storm Sewer Systems
Permit # VAR040064

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

October 1, 2025

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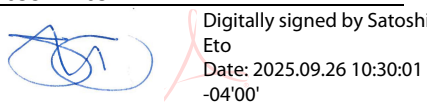
Signed Certification per Part IV K of the MS4 General Permit

"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."

Print Name: Satoshi Eto

Title: Public Works Program Manager

Signature: 

Date: 10/1/2025

1. Background

This report is submitted by the City of Fairfax (City), MS4 General Permit Registration Number VAR040064, for the reporting period of July 1, 2024 - June 30, 2025, or Permit Five/Year Two (P5/Y2) under the Virginia Pollutant Discharge Elimination System (VPDES) MS4 General Permit (MS4 General Permit). This report covers the City's efforts to implement its MS4 Program Plan, which was most recently updated on May 1, 2024, to meet the conditions of the MS4 General Permit. The official version of the MS4 General Permit is found via the following link: MS4 General Permit.

The City is required to submit an annual report to remain in compliance with the MS4 General Permit. This annual report describes the City's collective efforts in stormwater management. It updates the progress toward meeting the Best Management Practices (BMPs) for each of the six (6) Minimum Control Measures (MCMs) and Total Maximum Daily Load (TMDL) requirements identified in the MS4 General Permit.

The City's May 2024 MS4 Program Plan is found via the following link: https://www.fairfaxva.gov/Government/Departments/Public-Works/Stormwater/Municipal-Separate-Storm-Sewer-System

2. Self-Evaluation of MS4 Program Implementation

During May 2024, the City completed an update of its MS4 Program Plan to ensure compliance with the reissued permit. During that review, it also reviewed existing BMPs to ensure that BMPs implemented under the May 2024 MS4 Program Plan are appropriate, effective, and meet the requirements of the MS4 General Permit. The City will continue to monitor the status, appropriateness, and effectiveness of each BMP as part of our iterative process to account for updated permit requirements, reduce pollutant loadings, and protect water quality to the maximum extent practicable as the implementation of our program continues.

3. Compliance with Minimum Control Measures (MCMs)

The six MCMs in the MS4 General Permit form its backbone and make up the basics of the City's MS4 Program and MS4 Program Plan requirements. Each MCM requires the City to address several specific requirements throughout the MS4 General Permit cycle. Section 3 contains a summary of activities completed during the reporting period for each of the six 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/Good Housekeeping for Facilities Within the MS4 Area Owned and Operated by the Permittee

3.1. Minimum Control Measure #1 – Public Education and Outreach

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

3.1.1. High-Priority Stormwater Issues

The MS4 General Permit requires that the City identify no less than three (3) high-priority stormwater issues to meet the goals associated with MCM #1. The following is a list of the high-priority stormwater issues that the City continued to address in its public education and outreach program during P5/Y2:

1. Bacteria pollution
2. Nutrient pollution
3. Illicit discharge of chemical contaminants

During FY25, no changes made to the three high-priority stormwater issues were determined necessary. The City's MS4 Program Plan includes the high-priority stormwater issues provided above, the rationale for selecting each issue and its impact, the audiences to receive each high-priority stormwater message, and the strategies used to communicate each high-priority issue.

3.1.2. Communication Strategies

The 2023 MS4 General Permit further requires the City to annually employ two (2) or more of the outreach strategies identified in Table 1 of the MS4 General Permit for each stormwater issue selected. As outlined in Table 1 below, the City used a variety of strategies to communicate each high-priority stormwater issue to the intended audience.

The City chose to employ the communication strategies below in P5/Y2. The following section (Section 3.1.3) provides a summary of the activities and program. Documentation for each activity is available upon request.

Table 1. Summary of Communication Strategies Utilized in P5/Y2

High-Priority Stormwater Issues	Selected Communication Strategies
Bacteria Pollution	**Traditional Written Materials** • Cityscene Newsletters (8/24, 3/25, and 6/25)
	Media Materials • City of Fairfax's Stormwater and Floodplain Management webpage • "Please Clean Up After Your Pet" YouTube Video (https://www.youtube.com/watch?v=KaP-FGeRYOk) • NVCWP radio and TV Public Service Announcements (PSAs) and regular "Pet Waste" social media posts on Twitter, Instagram, & Facebook • City of Fairfax social media posts on Facebook and X (formerly Twitter) • City of Fairfax's Office of Sustainability's govdelivery emails
	Signage • Pet Waste Stations, including a map of pet waste stations within the City (COF MS4 Pet Waste Stations View (arcgis.com))

Nutrient Pollution	**Traditional Written Materials** • Cityscene newsletters (7/24, 8/24, and 5/25)
	Media Materials • City of Fairfax's Stormwater webpage • Ashby Pond Dredging and Retrofit webpage and video (https://engage.fairfaxva.gov/ashby-pond-dredging-and-environmental-improvements) • Ashby Pond retrofit interview (https://wtop.com/fairfax-county/2024/07/fairfax-city-turtles-will-get-new-homes-ahead-of-ashby-pond-construction/) • Stafford Drive Stream Restoration webpage and video (https://engage.fairfaxva.gov/stafford-drive-stream-restoration) • NVCWP radio and TV PSAs and regular "Reduce Fertilizer Pollution" social media posts on Twitter, Instagram, & Facebook • City of Fairfax social media posts on Facebook and Twitter • City of Fairfax's Office of Sustainability govdelivery emails
	Signage • City Hall Rain Garden sign informs visitors about nutrient pollution • City Hall Stormwater Pond sign informs visitors about nutrient pollution and how the pond helps prevent stormwater pollution • Bioretention signage at Katherine Johnson Middle School educates 1,176 middle school students about nutrient pollution • Gravel infiltration trench sign at Mathy Park informs visitors about how trenches reduce stormwater pollution • Permeable pavement sign at Old Town Square informs visitors about how permeable pavement reduces stormwater pollution
Illicit Discharge of Chemical Contaminants	**Traditional Written Materials** • Cityscene newsletters (12/24, 2/25, 4/25, and 6/25)
	Media Materials • City of Fairfax's Stormwater webpage • NVCWP radio and TV PSAs and social media posts on Twitter, Instagram, & Facebook • City of Fairfax social media posts on Facebook and Twitter • City of Fairfax's Office of Sustainability govdelivery emails
	Signage • Storm Drain Marking Program

3.1.3. Description of Environmental Programs Associated with Communication Strategies

Each year, the City performs education and outreach activities related to stormwater and water quality. As part of the City's MS4 Program Plan, the City distributes educational materials to the community. It conducts outreach activities about the impacts of stormwater discharges on water bodies and the steps that the public can take to reduce pollutants in stormwater runoff. Public education and outreach activities conducted during the reporting year were based on the three (3) high-priority water quality issues outlined above.

The City's stormwater management implementation arm is the Department of Public Works (DPW). Stormwater-related initiatives under DPW's lead include the implementation of the City's stormwater, urban forestry, street sweeping, trash, recycling, and compost programs. DPW orchestrates the public education and outreach program and certain strategies identified above. Working in partnership with the other City departments, citizen volunteers, and local/regional non-profit groups, a variety of education and outreach activities were conducted during the reporting period:

- **Cityscene Newsletter** – Cityscene is produced by the City's Communications and Marketing Office and is a monthly report to the citizens of the City. Topics include City News, City Council Updates, upcoming events and projects, and messaging, including stormwater runoff and water quality education. Cityscene newsletters in FY2025 included messages about:
    - The importance of picking up pet waste
    - The importance of being salt smart during winter de-icing activities
    - Upcoming stream clean-up events
    - Upcoming stormwater public involvement activities, such as Histree Day and Arbor Day
    - Current stream restoration projects.

    23,000 copies of each month's Cityscene newletter are printed and mailed to every city address monthly. Copies of stormwater-specific messages in the Cityscene newsletter can be made available upon request.

- **City's Engage Fairfax Webpage** – The City's Engage Fairfax webpage (Engage Fairfax (fairfaxva.gov)) includes links to the City's active and historical stormwater projects to educate its citizens on ongoing efforts to improve water quality in the City's streams. There are five current active stormwater projects on the Engage Fairfax webpage
    - Ashby Pond Dredging and Environmental Improvements (Ashby Pond Dredging and Environmental Improvements | Engage Fairfax), which received 722 visits in FY25.
    - Stafford Drive Stream Restoration (Stafford Drive Stream Restoration | Engage Fairfax), which received 579 visits in FY25.
    - Future Stream Restoration Projects (Future Stream Restoration Projects | Engage Fairfax), which received 468 visits in FY25.
    - Old Robin Combined Utility Rehab Project (Old Robin Combined Utility Rehab Project | Engage Fairfax), which received 119 visits in FY25.
    - Andes Drive Force Main Rehabilitation (Andes Drive Force Main Rehabilitation | Engage Fairfax), which received 207 visits in FY25.
- **City of Fairfax Stormwater and Floodplain Management Webpage** – The "Protecting Water Resources" subpage of the City's Stormwater webpage (Protecting Water Resources City of Fairfax, VA) provides information about how residents can reduce stormwater pollution. It highlights the City's three high-priority water quality issues and offers practical steps to address them: preventing illicit discharges from household and automotive chemicals, reducing bacteria pollution from pet waste, and minimizing nutrient pollution from lawn care activities. In FY25, the stormwater webpage and relevant subpages received a total of **4316** clicks.
- **Storm Drain Marking Program** – Previous initiatives to mark storm drains in the city with "Only Rain" decals continue, and city resident volunteers placed markers on inlets within the City boundary (examples provided upon request). In P5/Y2, **315** Markers were placed on storm drains in the City.
- **Environmental Sustainability Committee (ESC)** – The ESC advises and assists the City Council and all Boards and Commissions on policies and practices dealing with the environment and energy conservation, including sustainable community development, environment and sustainability education and outreach, habitat and soil restoration, solid waste management, and stormwater management. In this capacity, the committee acts as an advocate for protecting, preserving, and enhancing the environment. The committee also provides a means for promoting discussion between the public and private sectors on issues related to the environment. The ESC is composed of City-appointed individuals and City liaisons. The ESC holds regular meetings throughout the year and holds special educational and outreach events to

further the environmental commitment expressed by the City. During FY25, a total of ten meetings were held. ESC meeting minutes are available upon request.

- **City of Fairfax Social Media Posts (Facebook and X)** – The City makes frequent postings on social media with information about sustainability events, activities, plans, and educational information. In P5/Y2, five stormwater-related educational Facebook posts and one stormwater-related educational X post were made. These posts included information about stormwater BMP projects, outfall restorations, upcoming stormwater education events, and flood awareness information.
- **City of Fairfax's Office of Sustainability govdelivery Monthly Emails Blasts** – The City's Office of Sustainability sends a monthly email blast with information regarding sustainability events, stormwater utility updates, and educational information to interested citizens. These email blasts were utilized to send the following messages:
    - Information about the Ashby Pond dredging and retrofit and the associated turtle relocation was sent on July 1, 2024 to 4,337 email addresses, with a 40% open rate.
    - Winter salt smart messages were sent on December 9, 2024 to 5,819 email addresses, with a 35% open rate.
    - Information about the Stafford Drive Stream Restoration was sent on February 3, 2025 to 5,919 email addresses, with a 31% open rate.
    - Information about upcoming Friends of Accotink Creek stream clean-ups was sent on April 27, 2025 to 6,001 email addresses, with a 33% open rate.
- **Northern Virginia Clean Water Partners (NVCWP)** – The NVCWP is a partnership of Northern Virginia (NOVA) local governments, schools, independent water and sanitary sewer authorities, businesses, the Northern Virginia Regional Commission, and the Virginia Coastal Zone Management Program that care about the quality of NOVA waterways. The NVCWP provides uniform messaging across NOVA, utilizing both radio and TV Public Service Announcements (PSAs) and social media messaging via Twitter and Facebook. NOVA high-priority stormwater pollutants of concern include phosphorus, nitrogen, salt, and illicit discharges. The NVCWP Annual Summary of Results can be found online: https://www.onlyrain.org/_files/ugd/200411_716bb913928e4188b3a40bd0e6016ff3.pdf

  The City participated with other local jurisdictions as part of the NVCWP to conduct a regional advertising campaign targeting the most prevalent and controllable forms of contamination in local waterways, including pet waste, household chemicals, and waste oil disposal. The NVCWP funded an "Only Rain Down the Drain" advertising campaign focusing on residential stormwater management actions. The campaign included 12,798 ads aired and 1,281,822 views. The NVCWP annual report provides information on stormwater quality issues and the implications of improper pet waste disposal on water quality.

3.1.4. Educational Activities Conducted Regarding Climate Change

The 2023 MS4 General Permit includes educational activities regarding climate change as public education and outreach activities, which satisfy the requirements of MCM #1. The City of Fairfax Government social media accounts made climate change-related educational Facebook and X posts during the reporting period.

3.1.5. Review of MCM #1 Effectiveness

The City believes the current MCM #1 activities effectively communicate each high-priority stormwater issue to the intended audience. Therefore, the City does not anticipate the need to make any changes to this element of the City's MS4 Program Plan at this time. During FY25, there were no changes in the

high-priority stormwater issues, strategies to communicate the high-priority stormwater issues, or the target audiences.

3.2. Minimum Control Measure #2 – Public Involvement and Participation

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

3.2.1. Summary of Public Input

The 2023 MS4 General Permit requires the City to implement a program designed to allow for public input on the City's stormwater program and annually report on the input received.

During the P5/Y2 reporting period, the City received and responded to seven drainage-related comments and complaints. Outside of drainage-related concerns, the City did not receive any other public input on the City's MS4 program. The following table summarizes public input and the City's responses and resolutions. Documentation for each item below is available upon request.

Table 2. Summary of Stormwater-Related Public Input during P5/Y2

Date	Topic	Comment/Complaint Overview	City Response/Resolution
9/13/2024	Maintenance of Stormwater Easement	Stormwater was eroding a yard, creating a channel and areas of standing water	City crews cleared the drainage channel and rebuilt the swale
9/18/2024	Private Property Issue	Ground settling was occurring in the front yard of private property	Referred to City's Risk Manager
9/26/2024	Basement Drain Issue	A drain near a basement door was backing up when it rains	Referred to the Fire Marshal's office to determine if there is an illegal connection. The homeowner had a plumber come out and snake his drain and his issue was resolved. There was no illegal cross-connection identified.
2/24/2025	Ice build-up on curb and sidewalk	Ice was built up along the curb and in the parking lot apron	Investigation found that this is likely due to recent water main break
4/28/2025	Private Property Issue	Areas on HOA property did not drain properly	Requested neighboring development to correct grading along the property line
5/30/2025	Private Property Issue	Blockages in roof gutter system is causing water to backup in the courtyard	City checked public stormwater pipes and did not find blockages. Homeowner was advised to call a plumber to clear blockages within private pipes
6/27/2025	Blocked storm drain	Clogged storm drain	Stormwater crews cleared the clogged drain

3.2.2. MS4 Program/Stormwater Website

The 2023 MS4 General Permit further requires the City to maintain a webpage dedicated to the MS4 program and stormwater pollution prevention. A link to the City's MS4 Program/Stormwater Website can be found at:

https://www.fairfaxva.gov/Government/Departments/Public-Works/Stormwater/Municipal-Separate-Storm-Sewer-System

During P5/Y2, the City added the following documents to its website:

- Permit 5/Year 1 Annual Report
- FY24 Chesapeake Bay TMDL Implementation Status Report
- 2025 Bacterial TMDL Action Plan (Accotink Creek, Difficult Run, Popes Head Creek)
- 2025 Benthic TMDL Action Plan (Accotink Creek, Difficult Run, Bull Run, Popes Head Creek)
- 2025 Chloride TMDL Action Plan (Accotink Creek)

3.2.3. Public Involvement Activities

The 2023 MS4 General Permit further requires the City to implement no less than four activities per year from two or more of the categories listed in Table 2 in the 2023 MS4 General Permit to provide an opportunity for public involvement to improve water quality and support local restoration and cleanup projects. The City makes an effort to reach out and engage with all economic and ethnic groups through its public involvement activities. The City's website, including the stormwater and floodplain management pages, has a translate button which allows readers to easily translate the website into over 250 different languages. This function allows the stormwater management and pollution prevention educational information posted to the website to reach all City residents, regardless of language spoken.

The City engaged the public through the events listed in Table 3 in P5/Y2. A description of the events follows the table. All documentation is available upon request.

Table 3. Summary of City-Sponsored Public Involvement Events in P5/Y2

Category	Event Name(s)	Number of Events Conducted	Beneficial for Improving Water Quality?
Restoration	Arbor Day	1	Yes
Public Education Activities	Environmental Sustainability Committee (ESC) Meetings	10	Yes
	Rain Barrel Workshop	1	Yes
	Fall Festival	1	Yes
	HisTree Day	1	Yes
Disposal or Collection Events	City-wide Cleanup Events	2	Yes
	Friends of Accotink Cleanup Events	4	Yes
	TOTAL	**20**	--

Description of Public Participation and Involvement Events:

1. **Arbor Day** – On October 26, 2024, the City participated in the Arbor Day Foundation's Tree City USA Program. During the event, the city planted a commemorative tree in Kutner Park. Attendees helped plant additional native trees throughout the park. An Enviroscape model demonstrated to attendees the benefits trees have in mitigating stormwater impacts. Free native tree saplings were available for attendees to take home. In total, 160 native tree saplings were given to residents to take home and plant in their yards.
2. **City ESC Meetings** – During FY25, the ESC had ten meetings on the following dates: July 17, 2024, September 18, 2024, October 16, 2024, January 15, 2025, February 19, 2025, March 19, 2025, March 26, 2025, April 16, 2025, May 25, 2025, and June 18, 2025. FY25 meeting minutes include applicable stormwater-related topics. Meetings provided the opportunity for the public to comment on City environmental projects. Documentation is available upon request.
3. **Rain Barrel Workshop** – On August 10, 2024, the City hosted a sold-out rain barrel workshop at the Green Acres Community Center. During the event, 35 rain barrels were constructed and brought home to be used to control and reuse stormwater runoff on residential properties. At

the event, stormwater control and pollution prevention practices in the SWU credit manual, such as tree preservation, were discussed with attendees.

4. **Fall Festival** – On October 12, 2024, the City hosted a Fall Festival. The ESC tent at this event included Enviroscape Models to demonstrate how stormwater runoff carries pollutants through the watershed. The ESC tent also gave out free pet waste bags and materials with information about the community cleanup events, the Arbor Day event, and the Stormwater Utility. There were over 27,000 attendees at the Fall Festival
5. **HisTree Day/Earth Day** – On April 26, 2025, the City celebrated both Fairfax history and Earth Day, combining living history presenters with learning and exploratory activities. Guided tours of the bioretention and detention facilities at Blenheim gave the public a deeper understanding of what a stormwater BMP is and how it benefits the environment and treats water quantity and quality. A tent was set up with Enviroscape demonstrations, and information about the Stormwater Utility and erosion and sediment control efforts was provided to attendees. 501 residents attended the Histree Day event and received stormwater educational materials.
6. **Community Cleanups** – The City conducted two litter cleanup events along streams and parks within the City.
    - Fall Cleanup – October 20, 2024 – More than 150 volunteers, including 6 local scout troops, local businesses, and homeowner associations, collected over 1 ton of trash and debris from City streams and parks.
    - Spring Cleanup – April 6, 2025 – More than 300 volunteers collected more than 1.5 tons of trash and debris from City streams and parks.

    During these cleanup events, 2.5 tons, or approximately 5,500 lbs, of trash were collected. Work logs and photos are available upon request.
7. **Friends of Accotink Creek Cleanup Events** – Friends of Accotink Creek conducted clean-up events along four different portions of Accotink Creek within the City. Volunteers worked alongside Accotink Creek where it meets Fairfax Boulevard, Chain Bridge Road, Pickett Road, and Blenheim Boulevard. Across the events, 66 volunteers collected 52 bags of trash. Clean-up events were conducted at:
    - Accotink Creek at Pickett Road, where 21 volunteers collected 18 bags of trash.
    - Accotink Creek at Blenheim Boulevard, where 16 volunteers collected 15 bags of trash.
    - Accotink Creek at Fairfax Boulevard, where 28 volunteers collected 16 bags of trash.
    - Accotink Creek at Chain Bridge Road, where one volunteer collected 3 bags of trash.

    Photos are available upon request.

3.2.4. Activity Metrics

As demonstrated by Table 3, the City has met and exceeded the minimum requirements of four (4) activities from two (2) or more categories and finds the activities to align with the City's involvement and participation goals. The City strongly believes that these activities have a beneficial effect on local water quality.

3.2.5. Collaboration with Other MS4 Permittees

The City is part of the NVCWP and participates in the “Only Rain Down the Storm Drain” initiative. This regional advertising campaign targets the prevention of contamination in local waterways from phosphorus, nitrogen, salt, and illicit discharges.

The other MS4 permittees included in the NVCWP are as follows:

Fairfax County | Fairfax County Public Schools | Loudoun County | Arlington County | Stafford County | City of Alexandria | George Mason University | City of Falls Church | Town of Herndon | City of

Manassas | City of Manassas Park | Town of Vienna | Town of Leesburg | Town of Dumfries | Prince William County | Prince William County Public Schools.

3.2.6. Review of MCM #2 Effectiveness

The City believes the current MCM #2 activities are effective at engaging the public in the City's stormwater program. Therefore, the City does not anticipate the need to make any changes to this element of the City's MS4 Program Plan at this time.

3.3. Minimum Control Measure #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 (IDDE) prohibitions and procedures, including dry weather screening.

3.3.1. MS4 Map and Outfall Information Table Update Confirmation Statement

The City confirms that the MS4 map and information table have been updated to reflect any changes to the MS4 occurring on or before June 30 of P5/Y2.

A link to the City's current outfall map can be found at:
https://www.fairfaxva.gov/Government/Departments/Public-Works/Stormwater/Municipal-Separate-Storm-Sewer-System

The City confirms that the MS4 map and outfall information table, as required by Part I.E.3.a(3) of the 2023 MS4 General Permit, was submitted to DEQ during FY25.

3.3.2. Total Number of Outfalls Screened

The City screened 54 outfalls as part of their Outfall Screening Program during P5/Y2. The results of the outfall screenings were categorized as follows:

- 49 outfalls were categorized as "Unlikely"
- 1 outfall was categorized as "Potential Illicit"
- 4 outfalls were categorized as "Suspect"

The flows for the outfalls categorized as "potential illicit" and "suspect illicit" were investigated. It was determined that no follow-up action was needed for one of the "suspect" flows and the one "potential illicit" flow. Two of the "suspect" flows were investigated further and found that the oily sheen was due to iron bacteria. The final "suspect" flow was referred to City investigators to check for ESC violations occurring upstream of the outfall. The ESC inspectors found a construction site upstream, and while there was inlet protection in place, some sediment had gotten into the storm drain. The contractor vacuumed the storm drain and began closely monitoring the inlet. The City recommended installing better inlet protection.

3.3.3. List of Potential Illicit Discharges to the MS4

During this reporting period, six instances of potential illicit discharges to the City's MS4 were identified and investigated, as summarized in Table 4.

Table 4. Potential Illicit Discharges to the MS4 Identified and Investigated in P5/Y2

Location	Source	Date	Identification Method	Resolution	Follow-Up	Date Closed
4040 Gateway Dr	Undetermined source, gasoline odor	12/17/24	City reported	Absorbent pads tested, did not come back positive for distillates	Not needed, no proof of illicit discharge	12/17/24
9650 Main St	Used cooking oil spill	1/7/25	City reported	FD personnel placed absorbent booms. No oil or absorbent entered the stormwater system	Not needed, there was no oil or absorbent material that entered the stormwater system	1/7/25
9658 Main St	12 gallons of antifreeze leaked onto the ground from a broken radiator on a fire truck	1/13/25	City reported	Absorbent material was placed on the ground to control the spill	Not needed, no antifreeze reached the stormwater system	1/15/25
10801 Norman Ave	5 gallons of diesel fuel spilled onto the street and into a nearby storm drain	1/29/25	Reported by the public (911)	Sorbent booms were placed to control the spill. Saturated sorbent materials were properly disposed of and replaced with clean materials. The area was scrubbed and rinsed and the cleaning solution was collected and transported offsite for disposal.	Inspection of catch basin and sorbent booms indicated no additional petroleum residues were being collected. Truck driver was issued a warning and the driver's company was issued a Notice of Violation for the release of hazardous materials	2/13/25
3850 Jermantown Road	Purple dye released into storm drain.	5/1/25	Dry weather screening	Purple dye was determined to be from Sun Dog dye processing.	Ongoing investigation	N/A (Investigation still open)
3790 Pickett Road	Release of fire fighting foam solution onto the ground releasing into a retention pond	5/15/25	City reported	TransMontaigne was immediately notified, and initiated cleanup process. Foam blanket was fully contained within the JBC pond and did not spread beyond that area.	The Fire Marshal's office monitored the situation and noted that no further action was required.	6/15/25
Andes Pump Station	Force main break	6/11/25	Citizen reported	Secured the force main and implemented a bypass	Repaired the force main. Submitted a report to DEQ	6/17/25

Documentation of the potential illicit discharges is available upon request, including a memo documenting each incident and a summary table indicating its status.

3.3.4. Review of MCM #3 Effectiveness

The City believes that the current MCM #3 activities are effective at identifying and eliminating illicit discharges within the City's jurisdiction. Therefore, the City does not anticipate the need to make any changes to this element of the City's MS4 Program Plan at this time.

3.4. Minimum Control Measure #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.

3.4.1. Confirmation Statement

The City confirms that all land-disturbing projects that occurred during the reporting period were conducted in accordance with the City's approved Virginia Erosion and Stormwater Management Program (VESMP).

3.4.2. Total Number of Erosion and Sediment Control Inspections Conducted

The City performed 329 erosion and sediment control inspections in P5/Y2.

3.4.3. Total Number and Type of Erosion and Sediment Control Enforcement Actions

No formal enforcement actions were necessary to achieve compliance. Sites found to need corrections were brought back to compliance in three days, on average, using informal enforcement actions only.

3.4.4. Review of MCM #4 Effectiveness

During P5/Y2, changes were made to incorporate the VESMP updates made to the Virginia Erosion and Stormwater Management Regulations. The City began administering its VESMP, previously implemented as the Virginia Stormwater Management Program (VSMP), on July 1, 2024. The City of Fairfax now administers coverage in the Virginia Pollutant Discharge Elimination System (VPDES) for Construction General Permits on behalf of the Virginia Department of Environmental Quality (DEQ). While DEQ continues to issue coverage letters, the City of Fairfax now processes registration statements, permit transfers, permit modifications, and notices of termination for Construction General Permits. The City updated its stormwater ordinance to reflect these updated requirements. The revised ordinance was adopted and approved by City Council on July 9, 2024.

3.5. Minimum Control Measure #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 to the MS4 from post-development stormwater runoff. The City implements an approved VESMP.

3.5.1. Total Number of Privately Owned SWM Facility Inspections Conducted

The City performed 477 Privately Owned SWM Facility Inspections in P5/Y2. Private BMP Inspection Forms are available upon request.

3.5.2. Total Number and Type of Follow-Up/Enforcement Actions

Of the 477 private BMPs inspected, 54 BMPs were found to require maintenance or repair during this reporting period, and the corresponding inspection reports were sent to property owners requiring maintenance. 11 BMPs were brought into compliance within 30 days of the inspection reports being

sent to the property owners. 36 Notices to Comply (NTC) have been sent as a follow-up to the inspection report for BMPs not brought into compliance in the 30-day window. Two of the facilities that were sent NTCs have since been re-inspected and brought back into compliance. The property owners of the seven remaining facilities have notified the City that maintenance is scheduled. BMPs that remain non-compliant will be referred to the City Attorney. A spreadsheet containing enforcement records and examples of typical BMP Inspection Reports, Notices to Comply, Maintenance Reports, and Compliance Letters is available upon request.

3.5.3. Total Number of City-Owned/Operated SWM Facility Inspections Conducted

The City performed an inspection of all 59 Publicly Owned SWM Facilities in P5/Y2. A list of Public BMP inspections is available upon request.

3.5.4. Description of Significant Maintenance, Repair, or Retrofit Activities Performed

In P5/Y2, the City conducted routine maintenance on 18 publicly-owned SWM facilities. 13 of these facilities had routine maintenance performed once, in the fall of 2024, and five of these facilities had routine maintenance performed twice, once in the fall of 2024 and once in the spring of 2025. In P5/Y2, no publicly-owned SWM facility required maintenance or repair outside the scope of routine maintenance. Refer to Section 4.2.1 for information regarding public pond retrofit activities.

3.5.5. Confirmation Statement Regarding Compliance with Virginia Construction Stormwater General Permit Database

The City confirms that it submitted SWM facility information through the Virginia Construction Stormwater General Permit database for those land-disturbing activities for which the City was required to obtain coverage under the General VPDES Permit for Discharges of Stormwater from Construction Activities.

3.5.6. Confirmation Statement Regarding Electronically Reporting SWM Facilities Using the DEQ BMP Warehouse & Submission Date

The City confirms that it electronically reported BMPs using the DEQ BMP Warehouse in accordance with Part III. The information was submitted on August 28, 2025.

3.5.7. Review of MCM #5 Effectiveness

The City believes that the current MCM #5 activities are effective at addressing discharges to the MS4 from post-development stormwater runoff. Therefore, the City does not anticipate the need to make any changes to this element of the City's MS4 Program Plan at this time.

3.6. Minimum Control Measure #6 – Prevention/Good Housekeeping for Facilities within the MS4 Area Owned and Operated by the Permittee

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

3.6.1. Operational Procedures Developed or Modified

During P5/Y1, the City conducted an evaluation of procedures and determined that updates to standard operating procedures were required to incorporate new permit requirements. Updates were initiated during P5/Y1 and were finalized in September 2024, during P5/Y2, and were incorporated into training materials. These updates included updated information to account for the 2023 MS4 General Permit

issuance and four new SOPs: Vehicle/Equipment Parking, Loading/Unloading Operations, Waste Management, and Material Storage.

3.6.2. Summary of Any New SWPPPs Developed

The City did not identify any new City-owned and/or operated facilities that have a high potential for discharging pollutants; therefore, no new SWPPPs were developed during the reporting period.

3.6.3. Summary of Any Modified SWPPPs or Delisted Facilities

The City's Property Yard is the only high-priority municipal facility that was determined to have a high potential of discharging pollutants. Modifications to the existing Property Yard SWPPP were initiated in P5/Y2 and will be finalized in P5/Y3. The modifications made to the Property Yard SWPPP include updates made to reflect the new requirements and information in the 2023 MS4 General Permit, the updated Pollution Prevention/Good Housekeeping SOPs, and the updated training materials. In P5/Y2, the City performed monthly inspections at the Property Yard to ensure the implementation of good housekeeping practices. The City did not delist any facilities during this reporting period. The P5/Y2 monthly inspection reports are available upon request.

3.6.4. Summary of New Turf and Landscape Nutrient Management Plans (NMPs) Developed

The City maintains NMPs for the six facilities presented below.

Table 5. City-Maintained NMPs

Facility Name	Acreage	Plan Start Date	Plan End Date
Kutner Park	1.68	January 2024	January 2027
Katherine Johnson Middle School	5.31	January 2024	January 2027
Providence Elementary School	4.70	January 2024	January 2027
Daniels Run Elementary School	2.96	January 2024	January 2027
Green Acres Center	3.68	January 2024	January 2027
Pat Rodio Park	2.91	January 2024	January 2027

The City has not identified any new City-owned and/or operated lands where nutrients are applied to a contiguous area greater than 1 acre; therefore, no new NMPs were developed.

3.6.5. Training Events

During FY25, the City utilized online Pollution Prevention/Good Housekeeping training modules that were developed during P5/Y1, in accordance with the Pollution Prevention/Good Housekeeping Training Plan. The following modules were utilized during FY25:

- Module 1 - Introduction to Stormwater
  - 15 City staff members completed this training
- Module 4 – Good Housekeeping for Road, Streets, Sidewalk, and Parking Lot Maintenance
  - 40 City staff members completed this training
- Module 6A – Good Housekeeping for Exterior Facility Maintenance
  - 4 City staff members completed this training
- Module 6B – Nutrient Management Plans and Pesticide/Herbicide Application
  - 15 City staff members completed this training
- Module 10 – Salt Management
  - 40 City staff members completed this training

3.6.6. Review of MCM #6 Effectiveness

The City believes that the current MCM #6 activities are effective at addressing discharges to the MS4 from City operations. Therefore, the City does not anticipate the need to make any changes to this element of the City's MS4 Program Plan at this time.

4. Compliance with Total Maximum Daily Load (TMDL) Special Conditions

EPA has approved the following eight local TMDLs, which require the City to develop and implement Local TMDL action plans:

- Bacterial TMDL Acton Plan, 2025 (Accotink Creek, Difficult Run, Popes Head Creek)
- Benthic TMDL Action Plan, 2025 (Accotink Creek, Difficult Run, Bull Run, Popes Head Creek)
- Chloride TMDL Action Plan, 2025 (Accotink Creek)

City stormwater discharges have also been allocated a PCB wasteload in the TMDL of PCBs for Tidal Portions of the Potomac and Anacostia Rivers in the District of Columbia, Maryland, and Virginia. Sections 4.1 and 4.2 summarize the activities completed and progress made toward meeting the required pollutant reductions for the approved TMDLs.

4.1. Chesapeake Bay TMDL Special Condition Reporting Requirements

The City operates an MS4 in the Potomac River watershed, which is a tributary to the Chesapeake Bay. As such, the MS4 General Permit Part II A, Chesapeake Bay TMDL Special Condition (CB 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 pollutants of concern and requires the City to submit a Chesapeake Bay TMDL implementation annual status report. A summary of actions conducted to implement the Chesapeake Bay TMDL action plan and the estimated reduction of pollutants of concern achieved by the BMPs implemented can be found in the Chesapeake Bay TMDL Implementation Annual Status Report submitted to DEQ under a separate cover.

4.2. Local TMDL Special Condition Reporting Requirements

The City has developed the following three local TMDL Action Plans to address local impairments for which the City MS4 was allocated a stormwater wasteload. These action plans were developed and finalized during FY25.

- Bacterial TMDL Acton Plan, 2025 (Accotink Creek, Difficult Run, Popes Head Creek)
- Benthic TMDL Action Plan, 2025 (Accotink Creek, Difficult Run, Bull Run, Popes Head Creek)
- Chloride TMDL Action Plan, 2025 (Accotink Creek)

Discharges from the City's MS4 have also been allocated a PCB wasteload in the TMDL of PCBs for Tidal Portions of the Potomac and Anacostia Rivers in the District of Columbia, Maryland, and Virginia. The required reductions associated with the City's PCB wasteload in the PCB TMDL are within the Margin of Safety and are expected to be met by the proposed reductions in atmospheric depositions and requires no additional effort by the City.

4.2.1. Summary of Local TMDL Action Plan Implementation Actions Conducted

The City relies heavily on pollutant reductions associated with implementing its MS4 Program Plan. Progress in implementing the MS4 Program Plan is documented in the main body of the Annual Report. Tables 6, 7, and 8 provide a summary of the activities completed during the reporting cycle, specific to the pollutant type and watershed.

Table 6. City Activities Completed During the Reporting Cycle Specific to Reducing Bacteria in Response to Bacteria-Related Wasteload Allocations

Activity	Applicable Watershed		
	Accotink Creek	Difficult Run	Occoquan River
Implement the City's MS4 Program Plan	✓	✓	✓
Provide Citywide access to Dog Park located at 11000 Berry Street (Constructed 2018)			✓
Require Removal of Pet Wastes from Public Rights-of-Way and Non-Owner Properties (City Code Section 6-61)	✓	✓	✓
Maintain Pet Waste Stations across the City. (Map: https://cityoffairfax.maps.arcgis.com/apps/instant/attachmentviewer/index.html?appid=0703749e61a44eb398ec6a1be8fdd0f3). The City maintains 28 different pet waste stations, which provided approximately 20,000 pet waste bags in FY25.	✓	✓	✓
The City operates a wastewater lateral repair and replacement program to assist in the offset of expenses associated with the repair and replacement of privately-owned sanitary laterals. The City's efforts resulted in 17 reimbursements totaling $41,712.93 for the replacement of 647 feet of private sanitary lateral in FY25.	✓	✓	✓
Publish an article in the March 2025 Cityscene newsletter about the wasterwater lateral repair and replacement program (https://www.fairfaxva.gov/files/assets/city/v/1/communications/documents/cityscene/march-2025.pdf)	✓	✓	✓
Enforce stream buffer requirements under Section §4.18 of the City Zoning Ordinance - Chesapeake Bay Preservation	✓	✓	✓
The City Department of Public Works will pick up dead animals on most public City roads. Citizens are informed to call the City at 703-385-7980.	✓	✓	✓
The City has implemented a pilot program in which three Throne Bathrooms were installed in the Accotink Creek watershed to provide rest areas for the public.	✓		
Publish "Scoop the Poop" Ads in Cityscene Newsletter	✓	✓	✓
Publish "What Citizens Can Do" including Proper Disposal of Pet Wastes on the City webpage (https://www.fairfaxva.gov/Government/Departments/Public-Works/Stormwater/Protecting-Water-Resources).	✓	✓	✓
Participate in NVRP's "Only Rain" Outreach Program. See MCM 1 for NVRP's link to the Annual Report.	✓	✓	✓

Table 7. City Activities Completed During the Reporting Cycle Specific to Reducing Chloride in Response to Chloride-Related Wasteload Allocations

Activity	Applicable Watershed
	Accotink Creek
Implement the City's MS4 Program Plan	✓
Publish Salt Management in the City Article in February 2025 Cityscene Newsletter (https://www.fairfaxva.gov/files/assets/city/v/1/communications/documents/cityscene/february-2025.pdf)	✓
Publish "What Citizens Can Do," including how to be Winter Salt Smart, on the City webpage (https://www.fairfaxva.gov/Government/Departments/Public-Works/Stormwater/Protecting-Water-Resources).	✓
Participate in NVRP's "Only Rain" Outreach Program (see MCM 1 for NVRP's link to Annual Report)	✓
Conduct Salt Management Plan Training	✓
Provide Covered Storage for Long-term Salt Storage	✓
Provide Secondary Containment for Brine Storage	✓
Employ Anti-Icing Techniques Prior to Winter Weather Events	✓
Employ Good Housekeeping Practices to Minimize Salt Release as a Result of Loading/Unloading	✓
Wash Salt-Contaminated Vehicles and Equipment in Sanitary Sewer Connected CUE Bus Bay	✓
Conduct Street Sweeping Throughout the City. In FY25, 106 lane miles were swept twice, for a total of 212 lane miles swept per year.	✓

Table 8. City Activities Completed During the Reporting Cycle Specific to Reducing Sediment in Response to Sediment-Related Wasteload Allocations

Activity	Applicable Watershed			
	Accotink Creek	Bull Run	Difficult Run	Popes Head Creek
Implement the City MS4 Program Plan	✓	✓	✓	✓
Participate in NVRP's "Only Rain" Outreach Program. See MCM 1 for NVRP's link to Annual Report	✓	✓	✓	✓
Implement VESMP Program	✓	✓	✓	✓
Implement Chesapeake Bay Preservation Ordinance	✓	✓	✓	✓
Continue Street Sweeping Throughout City. In FY25, 106 lane miles were swept twice, for a total of 212 lane miles swept per year.	✓	✓	✓	✓
SPROUT (Stewarding Planting Restoring Our Urban Trees) tree give away. 160 trees were given away as a part of this program. The program was advertised in the April (https://www.fairfaxva.gov/files/assets/city/v/3/communications/documents/cityscene/april-2025.pdf) and May (https://www.fairfaxva.gov/files/assets/city/v/1/communications/documents/cityscene/may-2025.pdf) Cityscene newsletters.	✓	✓	✓	✓

In addition to the programmatic sediment reduction efforts identified above, the City has completed three stream restoration projects, one pond retrofit project, three outfall restoration projects, and one bioretention installation in the Accotink Creek watershed that reduced the sediment load by approximately an additional 205,023 lbs. The completed projects are:

- Daniels Run Stream Restoration, which reduced the sediment load by 34,333 lbs.
- Tusico Creek Restoration Phase I, which reduced the sediment load by 40,390 lbs.
- Tusico Creek Restoration Phase II, which reduced the sediment load by 44,209 lbs.
- City Hall Pond Retrofit, which reduced the sediment load by 1,300 lbs.
- Lion Run Outfall Restoration, which reduced the sediment load by 45,077 lbs.
- Pickett Road Outfall Restoration, which reduced the sediment load by 11,571 lbs.
- Shiloh Street Outfall Restoration, which reduced the sediment load by 28,101 lbs.
- University Drive Bioretention, which reduced the sediment load by 42 lbs.

In the Popes Head Creek watershed, the City has completed one land use conversion project and one bioretention installation that reduced the sediment load for this watershed by an additional 1,553 lbs./yr. The completed projects are:

- Impervious Cover to Turf Land Use Conversion, which reduced the sediment load by 1,290 lbs.
- Bioretention #2, which reduced the sediment load by 263 lbs.