



October 1, 2024

Department of Environmental Quality
Megan O’Gorek
DEQ Valley Regional Office
4411 Early Road
Harrisonburg, VA 22801

Re: Submittal of the Year 1 Annual Report for General Permit for Stormwater Discharges
from Small Municipal Separate Storm Sewer Systems, Permit # VAR040051

Ms. O’Gorek,

In accordance with Permit VAR040051 effective November 1, 2023, the City of Charlottesville has compiled an Annual Report addressing the status of our Stormwater Management Program for the reporting year covering July 1, 2023 through June 30, 2024.

If you have any questions or comments, please contact me at 434-970-3997.

Respectfully,

City of Charlottesville

Dan Frisbee

Dan Frisbee
Water Resources Specialist

City of Charlottesville
Office of the City Manager

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“To Be A Place Where Everyone Thrives”



October 1, 2024

Megan O’Gorek
Department of Environmental Quality
DEQ Valley Regional Office
4411 Early Road
Harrisonburg, VA 22801

Re: Certification of MS4 Annual Report for Permit # VAR040051

Ms. O’Gorek,

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.

Sincerely,

Samuel Sanders, Jr.
City Manager
City of Charlottesville, Virginia

10/01/24

Date

VAR040051 City of Charlottesville
Permit Number MS4 Name



**City of Charlottesville
Year 1 Annual Report
General Permit for Stormwater Discharges
From Small Municipal Separate Storm Sewer Systems (MS4)
VAR040051**

**Submitted to:
Department of Environmental Quality
DEQ Valley Regional Office
4411 Early Road
P.O. Box 3000
Harrisonburg, VA 22801**

October 1, 2024

Introduction

In compliance with the City of Charlottesville’s coverage under the General Permit for Discharges of Stormwater from Small Municipal Separate Storm Sewer Systems, VAR040051, this Year 1 (July 1, 2023 – June 30, 2024) Annual Report summarizes the status of permit compliance and stormwater management program elements pertaining to the six required Minimum Control Measures (MCMs).

As required by Part I.D.3.e, the City evaluated the MS4 Program implementation, including a review of each MCM, to determine the MS4 Program’s effectiveness. This included an assessment of the selection of best management practices (BMP) that constitute the MS4 Program Plan. The City has determined that the identified BMPs represent an appropriate selection and implementation of an iterative stormwater management program as defined by the General Permit for Discharges of Stormwater from Small Municipal Separate Storm Sewer Systems. The City did not receive any written comments regarding the MS4 Program Plan or any modifications.

The City revised our MS4 Program Plan to incorporate and address the new regulatory language in the revised MS4 General Permit. Roles and responsibilities were updated to reflect the transfer of stormwater program elements from the Department of Public Works to the Department of Utilities. The City's Public Education and Outreach Plan in Appendix A was updated for the current five-year permit cycle. A new standard operating procedure was added to Appendix H. Appendix I, the Water Resources Protection Program Organizational Chart, was also updated to reflect the organizational changes noted above. Finally, the documents incorporated by reference table in Appendix J was updated.

The City is utilizing its local VSMP to satisfy pertinent requirements of MCM 4, Construction Site Stormwater Runoff Control, and MCM 5, Post-construction Stormwater Management for New Development and Development on Prior Developed Lands.

As required by Part II.A.14, the City is submitting a Chesapeake Bay TMDL Implementation Annual Status Report under separate cover.

As described in the City’s DEQ-approved *Combined Benthic and Bacteria TMDL Action Plan for the Rivanna River* and in the City’s *Sediment TMDL Action Plan for Moores Creek, Lodge Creek, Meadow Creek, and Schenks Branch*, the City intends to demonstrate its progress on implementation of the Action Plans by tracking and reporting on BMPs in its MS4 Annual Reports. As such, this Annual Report details the implementation status of the BMPs identified in the Action Plans and provides the summary of actions conducted to implement the Action Plans as required by Part II.B.11. These BMPs are notated “*Local TMDL Action Plan BMP” in the Annual Report.

Report Format

The information summarizing program status is presented in a matrix format with a separate section for each of the six MCMs.

Under each MCM is a series of BMPs and associated measurable goals. A column is provided for each of the five years of the permit term. For the purposes of this Year 1 Annual Report, results are posted in the column labeled “FY24”.

Results are presented in one of three colors indicating the status of that program element:

- Green – activity/action proposed has been successfully completed in the proposed timeframe.
- Yellow – activity/action has been partially completed in the proposed timeframe.
- Red – activity/action has not been completed in the proposed timeframe.

Cells in the various annual columns that are shaded grey indicate program elements that are not applicable in those permit years.

In every case, a further explanation of the BMP status is provided in the rows directly below the subject program element.

City of Charlottesville, Virginia
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MCM #1: PUBLIC EDUCATION AND OUTREACH ON STORMWATER IMPACTS

Best Management Practice	Measurable Goal	FY24	FY25	FY26	FY27	FY28
1.1 - Regional Stormwater Partnership <i>*Local TMDL Action Plan BMP</i>	Participate in a Minimum of Six Meetings, Summarize Activities, Maintain Website, One Major Event/Activity Per Permit Cycle					

FY24 - The City continued its involvement in the Rivanna Stormwater Education Partnership (RSEP) this reporting year. The RSEP exceeded its meeting frequency commitment, meeting 10 times during the reporting year. The RSEP continued to conduct public education campaigns to educate the general public and the local business community on steps they can take to reduce their impacts on stormwater quality. A range of outreach strategies were utilized this year, including a rain barrel workshop, sponsorship of a major Rivanna River Watershed cleanup event, an informational table at the 2024 Rivanna RiverFest and Kid*Vention events, the Rivanna River Basin Commission Annual Conference, posters on Charlottesville Area Transit (CAT) buses, an expanded social media and online presence, a watershed reading challenge, and the distribution of stickers, magnets, and brochures. RSEP partnered with the James River Association (JRA) and a local business to present a rain barrel workshop which provided participants the materials and instructions on how to assemble and install rain barrels at home. RSEP's sponsorship of the Rivanna Conservation Alliance's (RCA) Rivanna River Roundup watershed cleanup event helped support 270 volunteers who collected 202 bags of trash and 23 tires across 20 cleanup sites covering over 28 miles of rivers, streams, and trails. Over 2,500 people were estimated to attend the Rivanna RiverFest and Kid*Vention events at which RSEP staffed an educational table. Posters with fall yard care best management practices were displayed on CAT buses. Building on the success of last year's efforts, RSEP provided an additional 200 *Stormwater Pollution Prevention: A Lawn and Landscape Guide* brochures, as well as a set of stickers and magnets to the Piedmont Master Gardeners (PMG) for distribution at their events, site visits, and workshops. Additionally, a training for 31 new PMG members on stormwater management and pollution control was provided. The RSEP continued to host both its website (www.rivanna-stormwater.org), and its GIS-based Story Map website, The Rivanna River Watershed (www.tinyurl.com/RivannaStoryMap). The Love Your Watershed campaign (www.rivanna-stormwater.org/love-your-watershed) continued as a social media and online campaign designed to motivate residents of the greater Charlottesville area to reduce their impact on waterways and ultimately improve local water quality. Social media posts covered the topics of pet waste management, downspout disconnection/redirection, fall lawn and garden care, leaf and yard debris management, winter salt use, Earth Day, World Water Day, and rain barrels. The campaign will continue for the foreseeable future.

Finally, the Thomas Jefferson Soil and Water Conservation District (TJSWCD), an RSEP partner, hosted a watershed reading challenge during the month of September. This challenge consisted of a worksheet where kids could make nature observations and write a pledge about how to protect their watershed in addition to reading 3 books from a set list of books about water related topics. Once the worksheet was returned to a library participants would receive a TJSWCD watershed patch and RSEP Love Your Watershed sticker. Local libraries participated and 85 kids received a patch for completing the reading challenge. The RSEP partners coordinated on the implementation of the regional Public Education and Outreach Plan for the current five year MS4 permit cycle.

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<i>1.2 - City Environmental Webpages</i> <i>*Local TMDL Action Plan BMP</i>	<i>Maintain Website, Provide Stormwater Education Information</i>				
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FY24 - The City continued to maintain several pages of stormwater, green infrastructure, and environmental content on the official City website, www.charlottesville.gov. The website contains information on stormwater, local waterways and watersheds, the City's stormwater management program (including the MS4 Program Plan, current MS4 Permit and coverage letter, and most recent Annual Reports), the City's Water Resources Protection Program (WRPP) and Stormwater Utility (SWU), green stormwater infrastructure, the Adopt-A-Stream program, urban stream health, stream monitoring efforts, and ways for residents to protect local water resources. Online reporting of illegal dumping, illicit discharges, or other environmental problems is also available through the City website, as well as through the MyCville app, which enables real-time reporting and tracking of water pollution concerns. The website also provides a mechanism for the public to provide input on the City's MS4 Program Plan. The webpages are www.charlottesville.gov/Stormwater-Management-Program, www.charlottesville.gov/wrpp, www.charlottesville.gov/greencity, www.charlottesville.gov/greeninfrastructure, and www.charlottesville.gov/stream-health.
The City continued to host CityGreen, an interactive, online mapping tool that shows "green" projects and resources around Charlottesville that contribute to making Charlottesville "A Green City". CityGreen can be found at www.charlottesville.gov/citygreenmap.

<i>1.3 - Youth Stormwater Education</i> <i>*Local TMDL Action Plan BMP</i>	<i>Document and Describe Activities Targeting Youths</i>				
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FY24 - The City was active in engaging youth in stormwater education activities during the reporting year. The City's Department of Parks and Recreation (DPR) continued to engage youths in outdoor activities in parks through their Art in the Park, Outdoor Art, and Fairy Garden Formations programs, which served 20 youth this permit year. The City's Urban Forester participated in several speaking engagements, walks, and tours with students about the importance of trees, tree identification, and invasive plant ecology, including two Arbor Day talks with 110 3rd and 4th grade students at Johnson Elementary School; a discussion with 20 high school students from Congregation Beth Israel; and outside walks and discussions with 16 students from Burley Middle School and 13 students from the Community Lab School. He also engaged 50 students from St. Annes-Bellfield School in an invasive vine cutting project and worked with 10 local high school students from the Green Team Training Program on the importance of trees and how to engage property owners about the subject. Finally, the Urban Forester participated in six of DPR's Guided Hikes at Heywood Community Forest where the participants get an introduction to new trails on the Heyward Forest property adjacent to Ragged Mountain Natural Area and learn about the natural history of this relatively new addition to the City's park system while learning to identify vegetation and wildlife habitat.
The City's Water Resources Specialist partnered with the Botanical Garden of the Piedmont (BGP) to provide a tour of the Schenks Branch Tributary stream restoration project to a class of science students from Charlottesville High School (CHS).
The City again partnered with Charlottesville City Schools (CCS) and the TJSWCD to provide a watershed educational experience to 369 city 4th grade and 250 7th grade students, encouraging and engaging students' participation in hands-on environmental learning about the Rivanna River Watershed and our place in the Chesapeake Bay Watershed. Students looked for plants, animals, and more during a nature walk scavenger hunt; collected and identified benthic macroinvertebrates in the river; learned about food webs; and played a game of Macroinvertebrate Mayhem.

<i>1.4 - Public Education and Outreach Plan</i> <i>*Local TMDL Action Plan BMP</i>	<i>Identify high priority issues; select strategies for public education and outreach; identify public audiences; delivery of high-priority messages.</i>				
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FY24 - The Public Education and Outreach Plan that was developed in coordination with the RSEP was updated to ensure it meets the requirements of the new MS4 General Permit and was implemented this reporting year. Education and outreach activities were conducted using the following strategies to communicate and address the high-priority issues of runoff volume reductions, potential runoff pollutants, and TMDL impairments (bacteria, sediment, nitrogen, phosphorus): media materials (PSAs on public access TV; City and RSEP websites including stormwater, green infrastructure, urban stream health, water quality monitoring, Schenks Branch Tributary restoration project, and Love Your Watershed content; Rivanna River Watershed Story Map; CityGreen Map; Schenks Branch Tributary restoration project Story Map; electronic newsletter; and social media posts), traditional written materials (RSEP brochures; posters on CAT buses), alternative materials (Love Your Watershed stickers and magnets), signage (Caution signs deployed along streams experiencing high bacteria levels), public education activities (table at community events, watershed walks), and speaking engagements (presentations to schools).

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MCM #2: PUBLIC INVOLVEMENT / PARTICIPATION

Best Management Practice	Measurable Goal	FY24	FY25	FY26	FY27	FY28
2.1 - Volunteer Stream Clean Up <i>*Local TMDL Action Plan BMP</i>	Support At Least Two Events, Document Number of Events and Volunteers					

FY24 - The City and RSEP supported RCA's Rivanna River Round-Up event, a day long watershed-wide trail and stream cleanup. The event involved 243 volunteers and collected 173 tires, 148 bags of trash, a bicycle, part of a park bench, a mattress, and a television. The City is counting this event as the first of the four activities required by the MS4 General Permit that are meant to provide an opportunity for public involvement to improve water quality and support local restoration and cleanup projects. The metric to determine if the activity is beneficial to water quality is the number of volunteers involved and the amount of trash and debris removed; based upon the large number of volunteers and amount of trash removed, the City has determined that the activity is beneficial to improving water quality. The City also supported eight other cleanups performed by The Nature Conservancy (TNC) and RCA; these cleanups involved 122 volunteers and collected over 2,500 pounds of trash as well as tires and other large items.

2.2 - Adopt-A-Stream Program <i>*Local TMDL Action Plan BMP</i>	Document Number of Events, Volunteers, Volunteer Hours, Debris Collected					
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FY24 - The Adopt-a-Stream Program continued this reporting year, administered by the Department of Utilities (DU). During the reporting year, six clean-ups were conducted, which involved 30 volunteers and 42 volunteer hours, collecting 11 bags of trash. The program added one new member during the reporting year.

2.3 - Tree Planting Program <i>*Local TMDL Action Plan BMP</i>	Hold At Least Two Events, Document Number of Events, Volunteers, and Trees Planted					
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FY24 - The City's DPR worked with RCA, PMG, the Charlottesville Area Tree Stewards (CATS), and the general public to complete four tree planting events. An event in Quarry Park drew 35 volunteers to plant 275 staghorn sumac, white and red oak, and American chestnut trees. A volunteer planting event near Free Bridge with RCA resulted in the installation of 210 trees and shrubs. An event in Rives Park with CATS involved 30 volunteers to plant 22 1-2" caliper trees. Finally, a training event for the PMG in Washington Park involved 15 people and planted 2 1-2" caliper trees. The City is counting this program as the second of the four activities required by the MS4 General Permit that are meant to provide an opportunity for public involvement to improve water quality and support local restoration and cleanup projects. The metric to determine if the activity is beneficial to water quality is the number of trees planted; based upon the number of trees planted, 509, the City has determined that the activity is beneficial to improving water quality.

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2.4 - Watershed and Water Quality Activities <i>*Local TMDL Action Plan BMP</i>	<i>Document Number and Description of Activities</i>				
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FY24 - The City was active in organizing, participating in, promoting, and sponsoring watershed and water quality activities in the community this reporting year. The City sponsored, served on the planning committee, and participated in the 2024 Rivanna RiverFest, which included educational tabling by community organizations, family-friendly activities, and a celebration with food, drinks, and music at the Rivanna River Company (RRC). Activities included learning about wildlife, cleaning trash from a simulated stream, tubing on the river, and playing river-related games. A member of the Virginia Canals and Navigation Society also shared stories about the Rivanna River's history. The RSEP hosted a table that included stormwater and watershed trivia and an Enviroscape watershed model. It is estimated that 1,500 community members attended the event. The City is counting this support and participation as the third of the four activities required by the MS4 General Permit that are meant to provide an opportunity for public involvement to improve water quality and support local restoration and cleanup projects. The metric to determine if the activity is beneficial to water quality is the number of attendees; based upon the number of people attending the event, estimated at 1,500, the City has determined that the activity is beneficial to improving water quality. DPR continued its Adaptive Recreation Program, which serves individuals with physical and/or mental disabilities whose recreational needs cannot be met by regular programs. The program included kayaking and tubing on the Rivanna River, stand-up paddleboarding and kayaking at Walnut Creek Park, rafting on the James River, and swimming at Lake Anna and served 129 individuals. The City continued to provide financial and technical support to RCA and its community-based water quality monitoring program StreamWatch. The City is counting this support as the fourth of the four activities required by the MS4 General Permit that are meant to provide an opportunity for public involvement to improve water quality and support local restoration and cleanup projects. The metric to determine if the activity is beneficial to water quality is the number of sites monitored by StreamWatch; based upon the number of sites monitored, 71, the City has determined that the activity is beneficial to improving water quality.

City staff continue to serve on and support several public boards and bodies. The City's Urban Forester continued to provide staff support to the City Tree Commission and their ReLeaf Charlottesville program. DPR staff also provide support to the Parks and Recreation Advisory Board, CATS, and the Botanical Garden of the Piedmont (BGP). The City's Water Resources Specialist is an active member of RCA's Science Advisory Committee. The City's Water Resources Specialist again collaborated with the Chesapeake Bay Landscape Professional (CBLP) program to arrange for a tour of green stormwater infrastructure at Charlottesville High School (CHS) as well as the stormwater planters at the City's Public Works and Utilities Administration Building for a CBLP Level 1 certification class. He also coordinated with environmental engineering firm Hazen and Sawyer to lead a group of University of Virginia (UVA) Civil and Environmental Engineering students completing their capstone project on stream restoration on a tour of the Schenks Branch Tributary restoration project.

2.5 - Public Involvement <i>*Local TMDL Action Plan BMP</i>	<i>MS4 Program Plan and Annual Reports Posted to City Website, Provide for Public Comment on MS4 Program Plan and Pollution Reporting Mechanism</i>				
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FY24 - The City has maintained its MS4 Program Plan in accordance with the MS4 General Permit. The City keeps a copy of the most current version of the MS4 Program Plan posted on its website. The City also keeps copies of the Annual Reports required by the MS4 General Permit posted to its website; a copy of the most current Annual Report is posted within 30 days of submittal of the report to the Department of Environmental Quality (DEQ). The MS4 Program Plan and Annual Reports can be found at the following webpage: www.charlottesville.gov/Stormwater-Management-Program. The public can provide input on the MS4 program via this webpage; no public input was received during the reporting year. The public can also report potential illicit discharges, improper disposal, or spills to the MS4; complaints regarding land disturbing activities; and other potential stormwater pollution concerns at the same webpage, at www.charlottesville.gov/1052/Report-an-Environmental-Issue, and via the MyCville app. See Attachment A for a summary of stormwater pollution complaints received and how the City responded.

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MCM #3: ILLICIT DISCHARGE DETECTION AND ELIMINATION

Best Management Practice	Measurable Goal	FY24	FY25	FY26	FY27	FY28
3.1 - Illicit Discharge Detection and Elimination Program <i>*Local TMDL Action Plan BMP</i>	<i>Develop Procedures, Keep Records of IDDE Program, Including Number of Outfalls Screened and Illicit Discharges Addressed</i>					
<p>FY24 - The City continued to implement its illicit discharge detection and elimination (IDDE) program this reporting year. The City responded to several reports of water pollution from internal City staff and the public; see Attachment A for a list of illicit discharges to the City's MS4. Additionally, dry weather screening of 100 of the City's MS4 outfalls was conducted using a tailored version of the Center for Watershed Protection's Outfall Reconnaissance Inventory. The dry weather screening did not detect any illicit discharges and as a result no follow up actions were necessitated. 50 of the outfalls screened were completed in October 2023 to satisfy the FY23 requirement and 50 were completed in June 2024 to satisfy the FY24 requirement.</p>						
3.2 - Maintenance of GIS Data, MS4 Map, and Information Table <i>*Local TMDL Action Plan BMP</i>	<i>Document Efforts Related to Maintenance of GIS Data, Up-to-date MS4 Map and Information Table</i>					
<p>FY24 - The City continued to maintain GIS data layers of its stormwater infrastructure system, areas where streams flow through the stormwater infrastructure system, waters receiving discharges from the City's MS4, the outfalls of the City's MS4 and their drainage areas, the MS4 regulated service area, and stormwater management facilities (SMF) owned or operated by the City. The City MS4 Map and associated Information Table were updated to include any new outfalls constructed or TMDLs approved during the reporting year.</p>						
3.3 - Notification of Physically Interconnected MS4s	<i>Document Existence of Physical Interconnections and Written Notification</i>					

FY24 - No known physical interconnections to any downstream MS4s were established or discovered after the effective date of the MS4 General Permit.

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MCM #4: CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

Best Management Practice	Measurable Goal	FY24	FY25	FY26	FY27	FY28
4.1 - Erosion and Sediment Control Program <i>*Local TMDL Action Plan BMP</i>	<i>Track Number of Inspections Conducted and Type and Number of Enforcement Actions, Status of E&S Control Program</i>					

FY24 - The City's Erosion and Sediment Control (E&S) Program continues to be administered by the Department of Public Works (DPW) and is currently considered "consistent" with state standards. The City's E&S Program is implemented in accordance with Part I.E.4.a (1) of the MS4 General Permit. A total of 992 E&S and Virginia Stormwater Management Program (VSMP) inspections were conducted during the reporting year. Enforcement actions stemming from these inspections included the issuance of 109 Corrective Action Reports, four Notices to Comply, and one Stop Work Order.

4.2 - General Permit for Discharges From Construction Activities <i>*Local TMDL Action Plan BMP</i>	<i>Keep Evidence of Permit Issuance in Project File</i>					
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FY24 - During the reporting year, five projects located in the city were issued initial coverage under the General VPDES Permit for Discharges of Stormwater from Construction (CGP) and 24 projects were reissued permit coverage under the new CGP that became effective July 1, 2024.

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MCM #5: POST-CONSTRUCTION STORMWATER MANAGEMENT IN NEW DEVELOPMENT AND DEVELOPMENT ON PRIOR DEVELOPED LANDS

Best Management Practice	Measurable Goal	FY24	FY25	FY26	FY27	FY28
5.1 - Stormwater Management Materials <i>*Local TMDL Action Plan BMP</i>	Keep Materials Available on City Website, Document Significant Changes, Updates, or New Materials					

FY24 - The City has continued to move forward with revisions to the City Standards and Design Manual (SADM) checklists and details related to E&S and stormwater management (SWM). No formal procedural changes were made during the reporting year; however, the City continues to make improvements to the "Dirt Watcher" application, which is currently undergoing use on project sites. This also consists of updating E&S designations to match those listed in the new Virginia Stormwater Management Handbook, which includes the addition of new E&S best management practices (BMP). The "SWMF Watcher" application for inspection of stormwater management facilities (SMF) during construction and the "SWPPP Watcher" application for inspection of stormwater pollution prevention plans (SWPPP) were created. On the tracking and project management front of these inspection applications, the City is continuing to develop management dashboards for the E&S Watcher and creating new dashboards for both SWMF and SWPPP Watchers. The City has also continued to make progress regarding the design and implementation of the Enterprise Land Management (ELM) system for permitting, plan review, SWM Agreement and plat review, and bond release. Given the notable progress in the reporting year, we look forward to finalizing the development of these applications and subsequently being able to formalize the City's Standard Operating Procedures.

5.2 - Development Plan Review <i>*Local TMDL Action Plan BMP</i>	Document Number of Site Plans Reviewed					
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FY24 - The Department of Neighborhood Development Services (NDS) continues to administer the site plan review process for the City. During the reporting year, 15 site plans with a stormwater management component were received by DPW's Engineering Division. This is the number of plans that were initially submitted for review during the reporting year. Many of these plans will eventually be approved, but some may end up being denied, on hold for a period of time, or potentially approved but never implemented.

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5.3 - Structural Stormwater Management Facility and Best Management Practice Reporting <i>*Local TMDL Action Plan BMP</i>	<i>Annual Certification Statements</i>					
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FY24 - The City electronically reported SMFs and BMPs that were installed as part of a project that did not have coverage under the CGP to the DEQ BMP Warehouse on October 1, 2024. The City electronically reported information through the Virginia CGP Database for City projects requiring coverage under the CGP.

5.4 - Structural Stormwater Management Facility Inspection and Maintenance Program <i>*Local TMDL Action Plan BMP</i>	<i>Track Number of Inspections and Number and Type of Enforcement Actions, Description of Significant Maintenance, Repair, or Retrofit Activity</i>					
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FY24 - The City's SMF inspection and maintenance program remains active. Responsibility for the post-construction SMF inspection program was transferred from DPW to DU during the reporting year. 53 City-owned SMFs were inspected, with 41 passing and 12 failing the inspection. Follow up coordination and needed maintenance is being pursued in accordance with the City's SMF inspection and maintenance procedures. Two privately owned SMFs were also inspected, with both failing. City staff sent notification letters and provided additional support regarding compliance. These inspections were part of an MS4 Program audit from DEQ and the City followed through with its procedures for enforcement. Further assistance was provided to the SMF owners to ensure that these facilities were brought into compliance with design requirements. The City coordinated with DEQ throughout the process and successfully satisfied potential non-compliance items listed in the audit report. Underground detention facilities owned by the City are not part of the City's TMDL Action Plans and will be subject to an alternative inspection frequency (per 9VAC25-890-40, Part I.E.5.b.(3)) of once every three years. Vegetative maintenance work to control invasive plant species and promote native species was performed at City owned SMFs, including the CHS vegetated filter strip and Azalea Park constructed wetlands. Maintenance work on the bioretention basin at Greenleaf Park included cutting and removing existing vegetation from the basin and its spillway, regrading the surface of the basin, installing additional bioretention media, reworking rip rap in the spillway and inlet channels, and installing new plants and mulch.

5.5 - Urban Forest Management <i>*Local TMDL Action Plan BMP</i>	<i>Track Urban Forest Management Efforts, Number of Trees Planted</i>					
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FY24 - Implementation of urban forest management efforts continued during the reporting year. Tree planting and invasive plant management in City parks and public areas continued to be focus areas of urban forest management efforts. DPR planted (via contractors and DPR staff) 180 trees in parks, on school campuses, and in the public right-of-way this reporting year, which are typically 1-2" caliper ball and burlap trees. Species are chosen as most appropriate for the location to be planted and to complement other species in the area. DPR launched a significant invasive plant control and containment initiative aiming to protect and increase tree canopy in the city. The initiative aims to control and contain the spread of invasive plants in Charlottesville by removing invasive vegetation from large areas of invaded forest and park land, thereby eliminating major seed sources; liberating trees and canopy that are being suppressed by invasive vines; and creating and restoring a suitable environment to plant thousands of native trees and diverse groundcovers. The project allowed for the restoration of over 24 acres of land and installed pollinator habitat and 1,360 tree seedlings on City properties in Azalea, Forest Hills, Jordan, Washington, and Quarry Parks; on land in the Fry's Spring and Free Bridge areas; along the John Warner Parkway and Agnese and Park Streets; and in Oakwood Cemetery. The City's DPR and Office of Sustainability (OS) received a \$150,000 grant from the United States Forest Service to complete an urban forest management plan (UFMP), conduct a tree canopy assessment and city-wide vegetation analysis, and develop curriculum materials and training programs for volunteers. City staff developed and issued a Request for Proposals (RFP) to solicit sealed proposals from qualified firms to develop an adaptive UFMP for the City that will foster a sustainable urban forest that can tolerate increased pressures from climate change and increased urbanization. The City maintained its Tree City USA status, having now held that status for 18 years. The annual Arbor Day event was held at Pen Park and Meadowcreek Golf Course with the focus on one of the city's Dawn Redwood Trees. Members of the Tree Commission, CATS, and the Virginia Department of Forestry were in attendance.

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DPR continued to work with the Tree Commission, which met once a month during the reporting year. Meeting minutes and agendas were posted on the City website with a range of urban forestry initiatives discussed at length. The Tree Commission continued their ReLeaf Charlottesville program, with the goal to plant trees, preserve trees, and educate children and families about the value of trees to our health and well-being. The program is a public-private partnership that plants trees in and protects low-canopy neighborhoods from the heat impacts of climate change while educating residents. DPR partnered with ReLeaf to work with students in several Charlottesville schools, taking them on walks and discussing the importance of trees and educating them on tree identification and invasive plant ecology.

The DPR is a partner with several other community groups in an effort led by RCA called the Rivanna River Forest Health and Resilience Project. With funding from the National Fish and Wildlife Foundation (NFWF), this multifaceted project will manage high-risk invasive plants and plant new native trees in high-priority locations in three of Charlottesville's riverfront parks. It will also work to motivate and support action on these issues by the wider Rivanna River watershed community. The project will take place over 12 months and focus on the five-mile urban corridor of the Rivanna River. In Pen Park, Darden Towe Park, and Riverview Park, the project will involve volunteer-led field assessments, forest management planning and prioritization, invasive plant management, and native tree planting. Broader scale mapping, engagement with riverfront property owners, and creation of the long-term Rivanna River Resilience Partnership will take place throughout the project area. During the reporting year RCA hosted two training sessions to prepare 14 teams of volunteers to collect forest health data along the Rivanna River. These teams conducted field assessments in Darden Towe, Riverview, and Pen Parks, assessing invasive and native plant coverage. The data they collected will help identify the highest priority locations for upcoming invasive plant management and tree planting efforts. Next, the Rivanna River Forest Health and Resilience project will use the data to determine management priorities and create targeted forest management plans for each of these three parks.

The City Department of Utilities (DU) continued its Energy Saving Trees Program, which is intended to incentivize tree planting on private property in the city. The City pays the cost of the trees and residents are responsible for planting and care. With guidance from the City's Urban Forester on appropriate native tree species, white oak, black gum, persimmon, witch hazel, and nannyberry trees were selected and 200 trees were given away to the public.

<p><i>5.6 - Investigate Green Stormwater Infrastructure Retrofit Opportunities</i> <i>*Local TMDL Action Plan BMP</i></p>	<p><i>Describe Implementation of Retrofits</i></p>					
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FY24 - During the reporting year, the City continued to investigate and pursue green stormwater infrastructure retrofit opportunities. The City continued implementation of the Schenks Branch Tributary stream restoration project. Over the course of the year, the City's construction contractor KBS Earthworks completed construction of the project, including all in-stream channel restoration as well as the native plant revegetation plan. In total, 840 linear feet of stream channel was restored, including the installation of constructed riffles, cross vanes, log vanes, pools, toe wood, soil lifts, and a rock cascade. Over 700 native trees and shrubs were planted along with nearly 1,400 herbaceous plugs and live stakes, and native seed mixes.

The City is partnering with RCA on the Rivanna Restoration at Riverview Park project. This project aims to address erosion and provide better access to the Rivanna River by restoring approximately 880 linear feet of the river's bank in a core section of the park while also addressing a dangerously eroding stormwater outfall channel that is cutting through the park towards two sanitary sewer lines. During the reporting year, RCA's design contractor Ecosystem Services and landscape architects Wolf Josey continued to refine the concept design and grant funding from NFWF was awarded to help support the final design and construction of the project. Design and permitting work will occur in the FY25 reporting year.

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MINIMUM CONTROL MEASURE #6: POLLUTION PREVENTION / GOOD HOUSEKEEPING FOR FACILITIES OWNED OR OPERATED BY THE PERMITTEE WITHIN THE MS4 SERVICE AREA

Best Management Practice	Measurable Goal	FY24	FY25	FY26	FY27	FY28
6.1 - Street Sweeping Program <i>*Local TMDL Action Plan BMP</i>	<i>Sweep at Least 2,000 Curb Miles Annually</i>					

FY24 - The City's street sweeping program continued this reporting year, with 3,281 total curb miles swept.

6.2 - Stormwater Infrastructure Flushing and Cleaning <i>*Local TMDL Action Plan BMP</i>	<i>Clean 10% of City Owned Structures and Flush 10% of City Owned Pipes Annually</i>					
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FY24 - The City continued its stormwater infrastructure cleaning and flushing program. This reporting year 751 (17.1%) City stormwater structures were cleaned, and 38,509 (13.2%) linear feet of City stormwater pipe was flushed. The City again collected leaves from residential properties in the fall and winter months of the reporting year, preventing gross solids from entering and overwhelming the stormwater system. Approximately 233 tons of leaves were collected for composting, preventing the associated nutrient loading to local waterways.

In addition to the stormwater system flushing and cleaning noted above, the City continued to rehabilitate the aging stormwater drainage system. This work included 464 feet of pipe replaced, 2,731 linear feet of cured in place pipe (CIPP) installed, 6 point repairs completed, 80 structure repairs completed, 4 new structures installed, and 37,277 linear feet of closed circuit television (CCTV) footage reviewed.

The City's Stormwater Technician created an application for the City stormwater crew to use when they perform flushing and cleaning and CCTV of storm pipes while in the field. This will help the City keep updated maintenance records on stormwater infrastructure, as well as work towards a future goal of regularly cleaning and CCTVing all public pipes in the City on a routine schedule. The application provides an easy way to identify areas that are in need of maintenance so that efforts can be focused where they are most needed.

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6.3 - Training for Appropriate Personnel <i>*Local TMDL Action Plan BMP</i>	<i>Document Description of Training Offered and Number of Attendees</i>					
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FY24 - The City continued to implement the training schedule and program for appropriate City staff this reporting year; see Attachment B of the Annual Report for a summary report of the required training, a list of training events, training dates, number of employees attending, and objective of the trainings. Hazmat Technician continuing education was pursued by 27 Charlottesville Fire Department (CFD) staff and Hazmat Operations continuing education was pursued by 56 CFD staff. In an effort to curb water usage and prevent stormwater pollution, CFD continued to use their mobile fire pump training unit, the Draft Commander 3000, which allows CFD to capture and recirculate the water from fire engines and hose lines during training exercises. The device also allows for the controlled disposal of water at the end of training activity.

42 City staff members from DU and 68 from DPW received the City's Water Resources Protection Program training, which covers general awareness of local streams and watersheds; an overview of stormwater and typical stormwater pollutants; the City's MS4; illicit discharge detection and elimination recognition and reporting; green stormwater infrastructure; regulations specific to the sites where staff work (including information on site specific stormwater pollution prevention (SWPPP) and spill prevention, control and countermeasures (SPCC) plans); stormwater pollution prevention BMPs; and spill prevention and response training. Training on several standard operating procedures (SOP) was completed by 17 DU and 12 DPW employees. Staff from DPW and DU attended Virginia Municipal Stormwater Association Quarterly Meetings. The City's Water Resources Specialist completed NC State University's River Course 101 - Stream Morphology Assessment and attended the Virginia Water Environment Association's Annual Stormwater Seminar.

City staff members from DPW-Engineering maintain the following DEQ certifications: Erosion and Sediment Control Plan Reviewer, Inspector, and Program Administrator; Stormwater Management Program Administrator, Inspector, Plan Reviewer, and Combined Administrator; and Dual Erosion and Sediment Control and Stormwater Management Inspector. Two DPW-Engineering staff attended the DEQ training Virginia Stormwater Management Handbook Overview and How to Use It. Two DPR employees acquired their Registered Technician license from the Virginia Department of Agriculture and Consumer Services (VDACS), three employees completed re-certification of their Registered Technician license from VDACS with a 6-hour online course, and one employee completed re-certification of their Commercial Applicator License from VDACS with a six-hour online course. Two DPR employees attended the Bartlett Tree Experts' Annual Seminar for education on trees and natural resources, which also included education on safe pesticide application practices.

6.4 - Written Procedures for Operations and Maintenance Activities <i>*Local TMDL Action Plan BMP</i>	<i>Maintain and Implement Written Procedures</i>					
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FY24 - Written procedures for operations and maintenance continued to be implemented during the reporting year. The DU *Disinfection of Potable Water Piping Regulations and Procedures* was updated during the reporting year.

6.5 Stormwater Pollution Prevention Plans for Municipal Facilities <i>*Local TMDL Action Plan BMP</i>	<i>Completed Annual Comprehensive Site Compliance Evaluation</i>					
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FY24 - The Stormwater Pollution Prevention Plans (SWPPP) developed for the City's municipal high priority facilities continued to be implemented during the reporting year. Annual Comprehensive Site Compliance Evaluations for the sites with SWPPPs were completed. No new SWPPPs were developed during the reporting year.

6.6 Turf and Landscape Nutrient Management Plans <i>*Local TMDL Action Plan BMP</i>	<i>Maintain Turf and Landscape Nutrient Management Plans</i>					
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FY24 - DPR maintains nutrient management plans (NMP) for all lands owned or operated by the City where nutrients are applied to a contiguous area greater than one acre. These plans were developed for DPR by a certified turf and landscape nutrient management planner. One plan covers 24.87 acres of sports fields at schools and in City parks and was approved by the Virginia Department of Conservation and Recreation (DCR) on January 1, 2024. The other plan covers 131.6 acres of Meadowcreek Golf Course and was approved by DCR on August 31, 2020.

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6.7 Green Public Lands Management Strategies <i>*Local TMDL Action Plan BMP</i>	<i>Identify and Implement Strategies</i>					
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FY24 - The City's DPR continues to employ green public lands management strategies. These strategies include operating under an integrated pest management (IPM) approach to achieve chemical use reductions on our public lands, using lower toxicity herbicides, acquiring and preserving land, augmenting riparian stream buffers, and including pet waste stations and signage in many City parks. The IPM Policy for DPR-maintained City land remained in place during the permit year. The City's Meadowcreek Golf Course employs numerous green land management strategies including native habitat areas located throughout the golf course that are allowed to grow tall and lush and that are kept natural with no chemicals or herbicides applied; bird houses throughout the course; a pollinator garden; a judicious approach to the use of irrigation water with most watering done by hose/hand, utilizing volumetric moisture content readings which eliminates water waste and directs it to areas it is needed most; chemicals are applied deliberately only on an as-needed basis utilizing IPM strategies and are always applied for a specific reason based on data and evidence of specific pest issues or turf needs.

The City acquired an 8.5 acre parcel of land on the banks of Moores Creek, directly across the creek from the City's Azalea Park. DPR worked to build a new trail along Meadow Creek, and in the process pulled approximately 12 tires and various large pieces of metal including car fenders, a washing machine, and a wheelbarrow, as well as 12 large cinder blocks and other smaller trash items out of the creek in the process. DPR also constructed a new pedestrian and bicycle bridge across Pollocks Branch at the City's Jordan Park. The bridge will allow users of the Moores Creek trail to cross the stream to access the trails west of Jordan Park and continue towards 5th Street.

Attachment A
Summary of Stormwater Pollution Complaints
Illicit Discharges to the MS4 List
July 1, 2023 – June 30, 2024

As required by the MS4 General Permit in 9VAC25-890-40, Part I.E.2.i.(2), the following is a summary of stormwater pollution complaints received by the City during the reporting year and how we responded. City staff receives stormwater pollution complaints through a variety of avenues. These include reports from fellow City staff, reports from other agencies, and reports from the general public via direct phone calls, emails, the [MyCville](#) reporting and request system, [reporting forms on the City website](#), and/or [RSEP’s Water Pollution hotline and online reporting form](#). City staff responded to these complaints with a site visit, phone call, response within the online platform in which the complaint was received, and/or email communication to evaluate and respond to each specific situation.

As required by the MS4 General Permit, the following is a list of illicit discharges to the City’s MS4 that were observed or reported during the permit year. City staff was notified of the incidents via internal reports from City colleagues, the MyCville reporting and request system, City website reporting forms, as well as direct reports from residents. In all cases, the situation was evaluated, the presence of the illicit discharge was confirmed, the source of the discharge was investigated, and the responsible party established (where possible). Subsequent actions, as appropriate, explained the prohibition on such activities, educated the responsible party, and documented corrective actions.

Date Suspected Discharge Observed / Reported	Description of Investigation Including any Follow-Up	Resolution of the Investigation	Date the Investigation was Closed
7/10/23	The City received an “Environmental Concern” report via the MyCville online reporting platform. The report noted a brown liquid being discharged from a hose coming from the Omni Hotel and the discharge entering the stormwater drainage system on Old Preston Avenue. City Environmental Sustainability Office (ESO) staff visited the site that day and met with Omni Hotel staff. A contractor for the Omni Hotel was draining water from their fire suppression/sprinkler system and draining the water onto the sidewalk behind the hotel where it was subsequently entering a storm drain.	Omni Hotel staff was informed that this discharge should be sent to the sanitary sewer system, or properly managed if sent to the stormwater drainage system by de-chlorinating the water, employing a silt bag to filter the discharge, and/or providing inlet drain protection. For the remainder of the operation, the discharge was sent to a rock landscaped area where it was able to infiltrate and not enter the stormwater system.	7/10/23

Date Suspected Discharge Observed / Reported	Description of Investigation Including any Follow-Up	Resolution of the Investigation	Date the Investigation was Closed
7/16/23	The City received an “Environmental Concern” report via the MyCville online reporting platform. The report noted that trash and debris had been dumped into a storm drain on Nassau Street near the intersection with Franklin Street. City Environmental Sustainability Office (ESO) staff provided the report to the Department of Public Works (DPW) for follow up.	The DPW Stormwater Crew visited the site and addressed the situation. No responsible party was able to be identified.	7/16/23
9/8/23	On September 8, 2023, the Department of Public Works (DPW) was notified via email of power washing activity in the parking lot of the McDonald’s located at 475 Ridge McIntire Road. The resident who reported the activity observed a McDonald’s employee conducting the washing activity and noted a sudsy discharge. The store manager was contacted by DPW staff. Staff informed the store manager that the discharge of uncontrolled wash water to the stormwater drainage system is prohibited by the City’s Water Protection Ordinance. He also explained how exterior washing activities can be conducted in accordance with the Water Protection Ordinance. The store manager confirmed that the washing activity had employed a degreaser and that he was unaware of this prohibition.	The store manager requested a City staff member come to the site of the McDonald’s to assess the parking lot’s drainage situation and help identify stormwater drains and sanitary sewer infrastructure. The store manager also expressed a desire to conduct future exterior washing activities in accordance with City regulations. He stated that he would be in contact with other McDonald’s franchise and corporate staff members to discuss the situation. The store manager noted that their franchise agreement requires them to conduct exterior washing. DPW staff met with the store manager on site on 9/14/23 to provide a map of stormwater and sanitary sewer infrastructure and discuss ways in which the exterior washing could be legally conducted.	9/14/23
11/14/23	The City’s Department of Utilities (DU) received a report of a sewer smell in the vicinity of 15 th Street NW. DU staff conducted a site visit and found a Van der Linde trash compactor and a Valley Proteins kitchen grease container located in the Corner Parking Lot at 1501 University Avenue discharging leachate that was subsequently entering the stormwater drainage system.	DU staff contacted Valley Proteins who could not provide a list of businesses that utilize the grease container but were able to confirm that the container was last serviced on 8/15/23. DU staff requested that the container be serviced ASAP, as it was full. Valley Proteins scheduled the container to be serviced. DU staff also spoke with Van der Linde and they agreed to come and service the compactor, and replace it if they found it to be malfunctioning. Van der Linde provided a contact for the entity that rents the compactor – DU staff contacted the entity and advised that they need to keep a closer eye on the compactor.	11/20/23

Date Suspected Discharge Observed / Reported	Description of Investigation Including any Follow-Up	Resolution of the Investigation	Date the Investigation was Closed
11/22/23	The City’s Department of Utilities (DU) received a report via the City website of soapy water in a storm drain in front of 943 2 nd Street SE. DU staff visited the site but the soapy water was no longer present and they were unable to identify a source of the soapy water.	Subsequent visits to the site by DU did not observe any further discharges to the storm drain. After six months the investigation was closed with the source still unidentified.	5/22/24
11/30/23	While driving past the City’s Bypass Fire Station an Office of Sustainability (OS) staff member observed Charlottesville Fire Department (CFD) staff washing a fire truck outside, with the resulting runoff entering the stormwater drainage system. OS staff notified Department of Utilities (DU) staff of the incident for MS4 reporting purposes and followed up with CFD staff to remind them of the CFD policy requiring fire apparatus to be washed indoors so that runoff does not enter the stormwater system.	CFD staff notified the on-duty Battalion Chief that was working on the day of the incident and communicated the policy to all shift personnel.	12/4/23
1/26/24	The City’s Department of Utilities (DU) received a report via the City website in regards to a residential renovation project on Kelly Street. The project had graded the front yard and not installed any erosion and sediment control (E&S) measures, leading to dirt being tracked onto Kelly and Poplar Streets. Department of Public Works (DPW) staff visited the site on 1/29/24 and spoke with the contractor performing the renovation work.	While the site was below the land disturbance threshold to trigger an E&S permit, the contractor agreed to install silt fence and apply straw to the graded area to stabilize the site.	1/29/24
2/13/24	A semi-truck struck a Dominion Energy power pole near Court Square in downtown Charlottesville in the early morning hours of 2/13/24. The pole came down and transformers released approximately 130 gallons of non-PCB mineral oil, some of which entered the stormwater drainage system in the vicinity of E. High Street and 7 th Street NE. This section of the stormwater drainage system runs underground for a total of ~2,270 feet before outfalling to St. Charles Creek. There was significant rain that occurred the morning of the 13 th , which washed the mineral oil through the stormwater system and into the creek. The Charlottesville Fire Department (CFD) responded to the initial report from a resident of St. Charles Avenue of an oil discharge to the creek	Dominion provided a final clean up report on 4/11/24 and DEQ conducted a site visit on 4/17/24. Based on the contents of the spill report and the findings of the 4/17/2024 site visit, DEQ considered the incident closed. No further action was required at that time; however, should future environmental problems occur which DEQ determines are related to this case, additional investigation and corrective action may be required in accordance with State Law.	4/17/24

Date Suspected Discharge Observed / Reported	Description of Investigation Including any Follow-Up	Resolution of the Investigation	Date the Investigation was Closed
	<p>and deployed absorbent materials into the creek on 2/13/24. CFD performed field testing of the water and the results confirmed that the contamination was consistent with the non-PCB mineral oil from the Dominion transformers. Subsequently, Dominion Energy took over responsibility for the environmental cleanup activities, ongoing maintenance of absorbent booms and pads, and disposal of materials at the conclusion of cleanup activities. Dominion coordinated with the City and the Virginia Department of Environmental Quality (DEQ) in regards to the incident and their response.</p>		
2/21/24	<p>The City’s Department of Neighborhood Development Services (NDS) and Department of Utilities (DU) received an email from a resident about a discharge of water coming from behind a neighbor’s house and down their driveway during dry weather. DU staff investigated and found that the property management company had added a washing machine in the basement which was not tied into the house’s sanitary sewer piping, but rather discharged to a sump pump in the basement which then discharged outside.</p>	<p>DU staff shut off the water to the washing machine and instructed the management company to coordinate with NDS building officials to obtain a permit for future work to tie the washing machine properly into the sanitary sewer system.</p>	2/22/24
2/26/24	<p>The City received an “Environmental Concern” report via the MyCville online reporting platform. The report noted an employee of a food truck located at 924 Harris Street had dumped a five-gallon bucket of liquid down a nearby stormwater system drain. City Department of Utilities (DU) staff visited the site on 3/11/24 and spoke with the food truck owner. DU staff explained the prohibition on dumping anything in the stormwater drainage system and stated that any such activity should not occur in the future.</p>	<p>The owner was not aware of the prohibition but understood and agreed not to dispose of anything in the storm drains in the future.</p>	3/11/24
3/5/24	<p>The City received multiple “Environmental Concern” reports from a resident via the MyCville online reporting platform in regards to a water line replacement project being performed on Druid Avenue by Linco, a contractor to the City. The reports noted leaking heavy equipment owned by Linco as well as storm drains with inlet protection that was not fully</p>	<p>DU staff informed Linco that if leaks continued they would be instructed to remove the equipment from the job site immediately. One dump truck was removed from the site upon the City’s direction. DU staff also ensured that filter bags were employed during any dewatering activities</p>	5/9/24

Date Suspected Discharge Observed / Reported	Description of Investigation Including any Follow-Up	Resolution of the Investigation	Date the Investigation was Closed
	functional. Department of Utilities (DU) staff followed up with Linco and instructed them to repair the leaks immediately and ensure that inlet protection was properly installed and maintained.	and that inlet protection was properly maintained moving forward.	
3/25/24	A City Department of Public Works staff member observed a small oil spill on 5 th Street SE on the afternoon of 3/25/24. Charlottesville Fire Department (CFD) staff were notified and responded to apply absorbent material to clean up the spill.	CFD subsequently collected and disposed of the used absorbent material. No responsible party was identified.	3/25/24
5/9/24	The City received an “Environmental Concern” report via the MyCville online reporting platform. The report noted unprotected stormwater inlets receiving drainage from an area with active construction on South Street East. Department of Utilities (DU) staff visited the site and confirmed that inlets were unprotected and had received discharges containing sediment as well as from areas where concrete work was occurring. The construction work was related to the completion of the City’s Belmont Bridge improvements.	Staff from the Department of Public Works (DPW) coordinated with the construction contractor and directed them to install additional inlet protection measures. DU staff verified that additional measures were successfully installed.	5/17/24
5/10/24	The City received an “Environmental Concern” report via the MyCville online reporting platform. The report noted a construction dumpster that was leaking an oily substance onto Little High Street. Department of Utilities (DU) staff visited the site on 5/10/24 and spoke with the contractor who was responsible for the dumpster. The contractor deployed some absorbent materials to contain the leaking oil and planned to further clean up the dumpster.	DU staff visited the site again on 5/14/24 and confirmed that the issue had been satisfactorily addressed by the contractor.	5/14/24

Attachment B Training Summary Report

The following report summarizes training that was completed as part of the City's MS4 Training Program during the reporting year, and includes a list of training events, the training date, the number of employees attending the training, and the objective of the training.

Training Event	Training Date	# of Employees Attending	Objective of the Training
Hazardous Materials Operations	Numerous dates over the course of the permit year	56	Train personnel to operate under the defensive tactical control principle with some mission specific skills training.
Hazardous Materials Technician	Numerous dates over the course of the permit year	27	Train personnel in advanced detection and monitoring, wearing/using chemical protective clothing, addressing/controlling atmospheric and pressurized leaks, plugging and patching, material categorization.
Department of Utilities Standard Operating Procedures Review	8-23-23	17	Review SOPs for Water Line Flushing and Dewatering; Sanitary Sewer Manhole Overflow Response; and Hydrant Flushing and Dewatering.
Water Resources Protection Program Training – Department of Utilities and Department of Public Works	8-24-23 to 10-20-23	110	Provide staff with general awareness training on local streams and watersheds; stormwater and typical stormwater pollutants; the City's MS4; illicit discharge detection and elimination recognition / reporting; green stormwater infrastructure; regulations specific to the sites where staff work (SWPPP and SPCC plans); stormwater pollution prevention BMPs; spill prevention and response.
Department of Public Works Standard Operating Procedures Review	8-29-23	12	Review SOPs for Concrete Mixer Truck Operation and Maintenance; Sidewalk Installation and Maintenance; and Snow Anti and De-Icing Program.
Bartlett Tree Experts Fall Seminar	9-9-23	2	Educational seminar featuring presentations on invasive plant and animal pests; safe pesticide application; pollinator and urban forestry programs; and outdoor demonstrations of job site safety, tree planting, and plant diagnostics.
NC State University River Course 101: Stream Morphology Assessment	10-9-23 to 10-11-23	1	3-day workshop introduces concepts of fluvial geomorphology and stream processes related to channel and floodplain formation, bankfull stage identification, regional hydraulic geometry curves, applications of the Rosgen classification system for natural streams in the Southeast, and stream stability assessment.
Registered Technician License	11/14/23	2	Certification program with Virginia Department of Agriculture and Consumer Services for pesticide applicators

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Registered Technician License Re-certification	FY24	3	Re-certification program with Virginia Department of Agriculture and Consumer Services for pesticide applicators
Commercial Applicator License	FY24	1	Certification program with Virginia Department of Agriculture and Consumer Services for pesticide applicators
Virginia Stormwater Management Handbook Overview and How to Use It	FY24	2	Online DEQ training on the new Virginia Stormwater Management Handbook