



NPDES MS4 Permit Annual Report

October 1, 2024 – September 30, 2025

Permit No. NCS000245

Prepared under the direction of S. Wayne Miles, PE, Stormwater Program Manager

raleighnc.gov



**Raleigh
Stormwater**



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Certification

I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

S. Wayne Miles, PE
Stormwater Program Manager
City of Raleigh



Introduction

This report describes programs and activities undertaken during the period of October 1, 2024, through September 30, 2025, as required by the City of Raleigh's permit to discharge stormwater under National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) Permit Number NCS000245. The annual reporting requirements are described in Part IV. B of the permit. These requirements are included in Table 1 with the associated annual report sections. Annual reporting provides a summary of the activities completed, as identified in the City's Stormwater Management Plan (SWMP), and the annual report content aligns with the content of the City SWMP.

Table 1. Annual Report Components

Annual Report Component	Report Section(s)
a. A detailed description of the status of implementation of the Stormwater Management Plan. This will include information on development and implementation of each major component of the Stormwater Management Plan for the past year and schedules and plans for the year following each report.	A.1, A.3, B.1, B.2, C.1, C.2, D.1, D.2, E.1, E.2, F.1 F.2, G.1, G.2, H.1, H.2, I.1, I.2, J.1, J.2, K.3
b. Description and justification of any proposed changes to the Stormwater Management Plan. This will include descriptions and supporting information for the proposed changes and how these changes will impact the Stormwater Management Plan (results, effectiveness, implementation schedule, etc.).	K.2
c. Any necessary changes to programs or practices for assessment of management measures implemented through the Stormwater Management Plan.	B.3, C.3, D.3, E.3, F.3, G.3, H.3, I.3, J.3, K.1
d. A summary of data accumulated as part of the Stormwater Management Plan throughout the year along with an assessment of what the data indicates.	A.3, B.2, B.3, C.2, C.3, D.2, D.3, E.2, E.3, F.2, F.3, G.2, G.3, H.2, H.3, I.2, I.3, J.2, J.3, K.2
e. An assessment of compliance with the permit, information on the establishment of appropriate legal authorities, inspections, and enforcement actions.	K.1, K.2, K.3
f. Discussion of program funding.	A.2



Section A: Program Implementation

The City of Raleigh implements, manages, and oversees all aspects of its SWMP to control to the maximum extent practical the discharge of pollutants associated with stormwater runoff from its MS4.

A.1 MS4 Program Management

The City of Raleigh is committed to maintaining compliance with its NPDES MS4 permit and protecting the City's stormwater quality through the implementation of a comprehensive stormwater management program. Stormwater Management Division staff regularly coordinate across internal work groups and City departments to effectively implement programmatic requirements and City-wide initiatives that are outlined in our Stormwater Management Plan (SWMP). During this last year, the SWMP was reviewed, and minor updates were completed. These changes included general program updates limited to FY 25-28 schedules.

Currently, the total number of Full Time Employees (FTEs) associated with MS4 permit program implementation for FY2026 is 150, with 84 FTEs within Raleigh Stormwater in the Engineering Services Department, 62 FTEs within Stormwater Maintenance in the Raleigh Department of Transportation Field Services group, and 4 FTEs within Stormwater GSI Maintenance in the Raleigh Department of Parks, Recreation and Cultural Resources. Implementation of each MS4 program component is outlined in Subsection 1 of Sections B through J.

A.2 Program Funding

Raleigh Stormwater receives capital and operating funds appropriated by the City Council that are dedicated to implementing and managing the provisions of the SWMP and complying with MS4 permit requirements. Program elements are primarily funded by the City stormwater utility fee. Additional sources of funding include plan review and permit application fees. The City general fund and revenue from the Raleigh Water utility fee also may be utilized for pollution prevention and good housekeeping activities by owning departments. Further fiscal analysis and investigation of funding options (such as a general fund allocation or a change to the stormwater fee) are conducted annually to maintain adequate funds to meet program needs.

The allocated budget for the City Stormwater Program in FY2024-2025 (fiscal year from July 1, 2024, through June 30, 2025) was sufficient to meet program needs and implement the requirements of the MS4 permit. The total Stormwater Management budget for FY2024-2025 was \$39,261,103, and Capital Improvement Program total expenditures for the City's Stormwater Program for FY2024-2025 were \$14,196,052 with an adopted Capital Improvement Program budget of \$13,875,000 (see Table A-1).

The City increased the stormwater utility fee by 7.5% for FY2025-2026 (fiscal year from July 1, 2025, through June 30, 2026) based on the determined need for ongoing operational and CIP expenditures. The total budget for the City's Stormwater Program for FY2025-2026 is \$43,341,026. The budget funds annual operations and the Capital Improvement Program. The adopted Capital Improvement Program budget for the City's Stormwater Program for FY2025-2026 is \$31,353,000.



Table A-1: FY2025 Stormwater Program Capital Improvement Program Budget

Stormwater Program Category	FY2024-2025 CIP Budget
Drainage Assistance	\$1,350,000
Major Drainage Infrastructure	\$6,500,000
Asset and Watershed	\$3,250,000
Water Quality/Stream Restoration/GSI Projects	\$2,125,000
Flood Hazard Mitigation and Flood Early Warning	\$150,000
City SCMs and Dams Program	\$500,000
Total	\$13,875,000



A.3 Best Management Practices

Table A-2 includes a brief description of the Program Implementation best management practices required by the MS4 permit, the planned actions for the current and future fiscal years as described in the SWMP, the annual reporting metrics identified in the SWMP, and the actual metrics for actions completed during this reporting year.

Table A-2: Program Implementation Metrics and Results

Program Element	FY2025	FY2026	Reporting Metric(s)	2024-2025 Results
Part II Section A The program will be subject to a compliance audit or a voluntary assessment process on an annual basis	Complete annual review with DEQ or conduct a voluntary assessment.	Complete annual review with DEQ or conduct a voluntary assessment.	Report type of assessment completed	Voluntary self-audit completed June 2025; see Section K
Part II Section A.1 The permittee will maintain adequate legal mechanism, such as regulations, ordinances, policies, and procedures to implement all provisions of the SWMP.	Review regulations, ordinances, policies, and procedures and update, if necessary.	Review or evaluate regulations, ordinances, policies, and procedures annually and update, as needed.	Report modifications to the regulations, ordinances, policies, and procedures	Updated Stormwater Design Manual and incorporated in UDO approved by Council on September 3, 2024, Effective November 2, 2024; Additional UDO changes (TC-2-2025) were approved on 9/2/2025.



Program Element	FY2025	FY2026	Reporting Metric(s)	2024-2025 Results
Part II Section A.2 The permittee will implement provisions of the SWMP and evaluate performance and effectiveness of the program components.	Evaluate program effectiveness with responsible parties, as described in each section and summarized in Section 13 of the SWMP.	Evaluate program effectiveness annually with responsible parties annually, as described in each section and summarized in Section 13 of the SWMP.	Program evaluation completed (Y/N)	Yes
			Annual reporting of program effectiveness is described in each annual report section	Sections B-3, C-3, D-3, E-3, F-3, G-3, H-3, I-3, & J-3.
Part II Section A.3 The permittee is required to keep the SWMP up to date with annual updates if any changes are warranted.	Review the SWMP at least once annually and update, as needed.	Review the SWMP at least once annually and update, as needed.	Report modifications to the SWMP and make available to DEQ upon request	The SWMP was updated on July 25, 2025. Updates included general program updates limited to FY 26-28 schedules.



Program Element	FY2025	FY2026	Reporting Metric(s)	2024-2025 Results
Part II Section A.4 The permittee shall maintain, and make available to the Division upon request, written procedures for implementing the six minimum control measures. Written procedures shall identify specific action steps, schedules, resources, and responsibilities for implementing the six minimum measures.	Maintain written procedures as documented in Sections 4 through 12 of the SWMP.	Maintain written procedures as documented in Sections 4 through 12 of the SWMP.	Written procedures are available to DEQ upon request	N/A, written procedures are available to NCDEQ upon request.

Section B: Public Education and Outreach

B.1 Program Narrative

The City uses various methods and media to educate the public on the causes and impacts of stormwater pollution, including utility bill inserts, newsletters, webpages, articles, social media, workshop presentations, and classroom education events. In addition, the City participates in the Clean Water Education Partnership (CWEP) which develops and distributes videos, online resources, and printed materials to and on behalf of its membership in support of permit requirements. CWEP also implements multi-media campaigns that include television public service announcements, radio public service announcements, and a stormwater informational website (www.nc-cleanwater.org). The CWEP annual report for this reporting period has been submitted directly to DEQ by the Central Pines Regional Council on behalf of the City. Language clarifying CWEP's role in supporting the City's permit compliance has been incorporated into the memorandum of understanding between the City and Central Pines Regional Council.



B.2 Best Management Practices

Table B-1 includes a brief description of the Public Education and Outreach best management practices required by the MS4 permit, the planned actions for the current and future fiscal years as described in the SWMP, the annual reporting metrics identified in the SWMP, and the actual metrics for actions completed during this reporting year.

Table B-1: Public Education and Outreach Program Metrics and Results

Permit Reference/BMP	FY2025	FY2026	Reporting Metric(s)	2024-2025 Results
Part II Section B.2 (a) Describe target pollutants and sources	Review annually the target pollutants and sources in the Education, Outreach, and Public Involvement Plan and update, as needed.	Review annually the target pollutants and sources in the Education, Outreach, and Public Involvement Plan and update, as needed.	Report target pollutants and the associated sources	See Table B-2
	Implement the public education and outreach program utilizing the Education, Outreach, and Public Involvement Plan and the Communications Plan.	Implement the public education and outreach program utilizing the Education, Outreach, and Public Involvement and the Communications Plan.	Report reason each target pollutant was selected	See Table B-2
	Evaluate the program effectiveness annually and notify the Water Quality Manager of plan and/or program modifications.	Evaluate the program effectiveness annually and notify the Water Quality Manager of plan and/or program modifications.		
Part II Section B.2 (b) Describe target audiences	Review and update target audiences associated with each pollutant and source in the Public Education and Engagement Plan.	Review annually the target audiences associated with each pollutant and source in the Education, Outreach, and Public Involvement Plan.	Report identified target audiences likely to have significant stormwater impacts for each target pollutant.	See Table B-2



Permit Reference/BMP	FY2025	FY2026	Reporting Metric(s)	2024-2025 Results
	Implement the public education and outreach program utilizing the Public Education and Engagement Plan and the Communications Plan. Evaluate the program effectiveness annually and notify the Water Quality Manager of plan and/or program modifications.	and Public Involvement Plan and update, as needed. Implement the public education and outreach program utilizing the Education, Outreach, and Public Involvement Plan and the Communications Plan. Evaluate the program effectiveness annually and notify the Water Quality Manager of plan and/or program modifications.	Report reason each target audience was selected	See Table B-2
Part II Section B.2 (c) Informational website	Maintain and update the stormwater program webpage. Evaluate program effectiveness and notify the Water Quality Manager of program modifications.	Maintain and update the stormwater program webpage. Evaluate program effectiveness annually and notify the Water Quality Manager of program modifications.	Report number of hits to Stormwater Management main site and SWMP webpage	246,959 page views for all Stormwater Management webpages; 478 page views for the SWMP webpage



Permit Reference/BMP	FY2025	FY2026	Reporting Metric(s)	2024-2025 Results
Part II Section B.2 (d) Distribute public education materials to identified user groups	Distribute public education materials, as described in the Education, Outreach, and Public Involvement Plan. Participate in CWEP activities and events. Evaluate the program effectiveness annually and notify the Water Quality Manager of plan and/or program modifications.	Distribute public education materials, as described in the Education, Outreach, and Public Involvement Plan. Participate in CWEP activities and events. Evaluate the program effectiveness annually and notify the Water Quality Manager of plan and/or program modifications.	Report number of educational materials distributed by type Provide CWEP annual report	See Table B-3 Refer to CWEP annual report Annual Reports – Clean Water Education Partnership (CWEP) nc-cleanwater.com
Part II Section B.2 (e) Promote and maintain hotline(s) or helpline(s)	Maintain the stormwater administration helpline to receive public complaints. Evaluate the program effectiveness annually and notify the Water Quality Manager of plan and/or program modifications.	Maintain the stormwater administration helpline to share information and receive public complaints. Evaluate the program effectiveness annually and notify the Water Quality Manager of plan and/or program modifications.	Report number of calls handled by the stormwater administration helpline by type of call	Total calls: Drainage: 253 Utility fee: 51 Plan review: 160 Volunteer: 28 Illicit discharge: 45 Active construction: 66 Capital projects: 23 Utility billing: 31



Permit Reference/BMP	FY2025	FY2026	Reporting Metric(s)	2024-2025 Results
Part II Section B.2 (f) Implement a public education and outreach program	Review annually the Education, Outreach, and Public Involvement Plan and update, as needed.	Review annually the Education, Outreach, and Public Involvement Plan and update, as needed.	Report City events and number of handouts distributed at each event	See Table B-3
	Review annually the Communications Plan and update, as needed.	Review annually the Communications Plan and update, as needed.	Report City in-school events and number of participants	See Table B-4
	Implement the public education and outreach program utilizing the Education, Outreach, and Public Involvement Plan and the Communications Plan.	Implement the public education and outreach program utilizing the Education, Outreach, and Public Involvement Plan and the Communications Plan.		
	Evaluate the program effectiveness annually and notify the Water Quality Manager of plan and/or program modifications.	Evaluate the program effectiveness annually and notify the Water Quality Manager of plan and/or program modifications		



Table B-2: Target pollutants, associated sources, target audiences, and justifications

Target Pollutant	Target Pollutant Justification	Pollutant Sources	Target Audiences	Target Audiences Justification
Sediment	Increases MS4 maintenance, degrades stream and lake biological abundance and diversity, reduces lake depth and storage volume, aesthetically unattractive	Illicit discharges, construction sites, streambank erosion (resulting from increasing imperviousness in the watershed)	Construction contractors, developers, municipal government, property owners/residents, general public	Audiences conduct, oversee, regulate, engage in, and/or observe activities at pollutant sources
Nutrients (nitrogen and phosphorus)	Promotes growth of algae in lakes and streams which can degrade biological abundance and diversity, toxic to aquatic species and humans, impedes recreation, aesthetically unattractive	Illicit discharges, sewage overflows and leaks, clippings and waste from landscape maintenance/lawn care, pet/animal waste, application and improper storage of fertilizers, sediment adsorption, atmospheric deposition	Landscape maintenance/lawn care companies, property owners/residents, municipal government, general public	Audiences store and apply fertilizer, own, or maintain sewer plumbing/pipes, engage in, and/or observe activities at pollutant sources
Trash	Increases MS4 maintenance, aesthetically unattractive	Illicit discharges, construction sites, litter, dumping, restaurants, food trucks	Construction contractors, municipal government, property owners/residents, restaurant and food truck owners/operators, general public	Audiences generate and store trash or engage in and/or observe activities at pollutant sources
Metals	Degrades stream and lake biological abundance and diversity	Illicit discharges; vehicle storage and maintenance; construction sites; paints and finishes, material, and chemical storage	Construction contractors, painting contractors, property owners/ residents, municipal government, vehicle repair shops	Audiences engage in activities that store/handle materials and generate wastes that contain metals and/or observe activities at pollutant sources
Bacteria	Harms public and pet health	Illicit discharges, sewage overflows and leaks, failing septic systems	Property owners/residents, municipal government, general public	Property owners/residents responsible for septic systems and private sewer plumbing and connections, municipal government responsible for most sanitary sewers, general public observes activities at pollutant sources



Target Pollutant	Target Pollutant Justification	Pollutant Sources	Target Audiences	Target Audiences Justification
Oil & grease	Degrades stream and lake biological abundance and diversity	Illicit discharges, vehicle storage and maintenance, restaurants, food trucks	Vehicle repair shops, restaurant and food truck owners/operators, municipal government, general public	Audiences conduct, oversee, engage in, and/or observe activities at pollutant sources

Table B-3: Public Education and Outreach Program event and material distribution log

Date	Description of Event/Activity	Attendee & Material Count (# materials equals # attendees)	Types of Educational Materials
10/1/2024	Stormwater Design Manual Training for Designers	204	Training on Stormwater Design Manual Updates
10/02/2024	Stormwater Design Manual Update for PlanDev CICS Meeting	20	Training on Stormwater Design Manual Updates
10/03/2024	October SMAC	36	R3 Brochures, Stream Stabilization, Flood Plains, Rain Barrels, Drainage Assistance
10/07/2024	Stormwater Design Manual Training for City Staff	35	Training on Stormwater Design Manual Updates
10/10/2024	City of Raleigh Quarterly Development Stakeholder Meeting	40	
10/12/2024	Lions Park GSI Community Outreach	15	R3 Brochures, Volunteer Information, Capture It, CWEP, Rain Barrels
10/12/2024	Bailey Drive Outreach Event	40	R3 Brochures, Capture It!, CWEP
10/15/2024	Fred Fletcher Public Meeting	15	Volunteer Information, Pollutant Information



Date	Description of Event/Activity	Attendee & Material Count (# materials equals # attendees)	Types of Educational Materials
10/19/2024	Fall Rain Garden and Rain Barrel Workshop	13	R3 Brochures, Rain Barrels, Volunteer Information
10/22/2024	Growth and Natural Resources Committee Meeting of City Council	14	Pollutant Information
10/28/2024	All Things Open Conference	500	Flood Early Warning System
11/07/2024	November SMAC Meeting	34	R3 Brochures, Stream Stabilization, Drainage Assistance
11/09/2024	Volunteer Stream Monitoring Workshop	7	Volunteer Information
11/13/2024	General Stormwater Outreach at Lake Johnson	20	Volunteer Information, Pollutant Information
11/14/2024	Pigeon House Branch Watershed Study Public Meeting	25	R3 Brochures, Stream Stabilization, Capture It!, Flood Plains, Flood Risk
11/16/2024	Walnut Creek Watershed Learning Network – Environmental Justice Partnership	35	Stream Stabilization, Flood Plains, Flood Risk, Flood Insurance, Drainage Assistance, Pollutant Information
11/20/2024	Stormwater Design Manual Update – Training for City Staff	35	Stormwater Design Manual
11/21/2024	GIS Day	100	R3 Brochures, Volunteer Information, Stream Stabilization, Drainage Assistance, Pollutant Information, Event Information
12/04/2024	Comprehensive Plan Community Conversations – Stormwater Night 1	51	R3 Brochures, Volunteer Information, Stream Stabilization, Flood Plains, Flood Risk, Flood Insurance, Drainage Assistance, Development Information, How to Maintain SCM's, Asset Management, Watershed Planning



Date	Description of Event/Activity	Attendee & Material Count (# materials equals # attendees)	Types of Educational Materials
12/05/2024	December SMAC Meetings	28	R3 Brochures
12/09/2024	Comprehensive Plan Community Conversations – Stormwater night 2	54	Pollutant Information
01/03/2025	Stormwater Smart Winter Newsletter	5300	Capture It!, Pollutant Information
01/09/2025	Stormwater Community Conversations – Ask-A-Planner	3	Planning and Development Information
01/15/2025	Reflecting Raleigh Ask-A-Planner	1	Planning and Development Information
01/16/2025	SMAC – Chavis Park Silva Cell Presentation	30	Meeting minutes
01/21/2025	New Year, New Career Fair	300	R3 Brochures, Volunteer Information, Flood Plains, Flood Risk, Drainage Assistance
01/27/2025	State of NC Webinar – Spotlight on Resiliency: Green Stormwater Infrastructure and Nature Based Solutions	40	R3 Brochures
02/06/2025	SMAC Stormwater Capital Improvements Program	25	Stormwater Capital Improvements Program
02/10/2025	COR Urban Heat Island Programs Info Session	3	Urban Heat Island Project Websites
02/16/2025	Raleigh Parks Teen Career Fair	15	R3 Brochures, Volunteer Information, Capture It!, Rain Barrels, Pollutant Information
02/24/2025	Community Action Committee (CAC) Meeting – Eastgate Community Center	20	General Stormwater Informational Brochures, Pollutant Information
02/26/2025	Stormwater Smart Newsletter – Spring 2025	5200	R3 Brochures, Volunteer Information, Stream Stabilization, Capture It!



Date	Description of Event/Activity	Attendee & Material Count (# materials equals # attendees)	Types of Educational Materials
02/26/2025	Marsh Creek Watershed Study Public Meeting	40	R3 Brochures, Volunteer Information, Stream Stabilization, Flood Plains, Flood Risk, Flood Insurance, Drainage Assistance, Pollutant Information
02/27/2025	Eastgate Park Dam Project	35	Pollutant Information, Project Information
03/03/2025	Storm Drain Demo for Boyscout Troop	20	Volunteer Information, Flood Risk, Pollutant Information
03/08/2025	Walnut Creek watershed Learning Network	37	R3 Brochures, Volunteer Information
03/24/2025	Raleigh Neighborhood College, Spring	34	R3 Brochures, Volunteer Information, Stream Stabilization, Flood Plains, Drainage Assistance, Pollutant Information
03/15/2025	Worthdale Park Stream Cleanup (Creek Week 2025)	22	Volunteer Information, Pollutant Information
03/18/2025	Raleigh City Council Work Session – City Wide Stormwater needs	25	Stormwater Capital Improvement Projects Information
03/20/2025	Creek Week Biothon	46	GSI and Wildlife, Volunteer Information
03/21/2025	Lake Johnson World Water Day	30	R3 Brochures, Capture It!, Pollutant Information
03/22/2025	Lions Park Artwork Outreach	22	Project Information
03/22/2025	Creek Week Stream Bank Planting	27	Stream Stabilization
03/22/2025	Rain Garden and Rain Barrel Workshop	7	R3 Brochures, Rain Barrels, Pollutant Information
03/27/2025	Lake Johnson Pop Up	15	R3 Brochures, Volunteer Information, CWEP, Rain Barrels, Pollutant Information



Date	Description of Event/Activity	Attendee & Material Count (# materials equals # attendees)	Types of Educational Materials
03/28/2025	NC Impact Feature	TV Audience	Flood Early Warning System Information
04/03/2024	Education and Outreach Updates to SMAC	31	Capture It!, CWEP
04/03/2025	Overview of the Millbrook Exchange Park Stream Repair Project	31	Pollutant information, Stormwater Capital Improvement Projects Information
04/11/2025	ABC 11 Interview	TV Audience	R3, GSI Information
04/25/2025	Earth Day 2025	195	R3 Brochures, Volunteer Information, Capture It!, Flood Plains, Flood Risk, CWEP, Drainage Assistance, Pollutant Information
04/25/2025	DEQ Earth Day Cleanup	50	Volunteer Information, Pollutant Information
04/26/2025	Foxcroft Lake Art Showcase	35	R3 Brochures, Volunteer Information, CWEP
05/03/2025	Capture It! Art Gallery Opening	31	R3 Brochures, Volunteer Information, Capture It!, CWEP
05/10/2025	Stream Monitoring Workshop	11	Volunteer Information, Pollutant Information
05/14/2025	Rocky / Walnut Watershed Public Meeting	24	R3 Brochures, Volunteer Information, Stream Stabilization, Capture It!, Flood Plains, Flood Risk, Flood Insurance, CWEP, Rain Barrels, Drainage Assistance, Pollutant Information
05/14/2025	Proposed Stormwater Fee Increase Notification	248	Utility Fee Information
05/19/2025	East CAC Meeting	12	Watershed Studies



Date	Description of Event/Activity	Attendee & Material Count (# materials equals # attendees)	Types of Educational Materials
05/22/2025	Permit Pathways: Common Issues and Expert Guidance	40	Planning and Development Information
05/31/2025	Storm Drain Marking Pop Up	20	Volunteer Information, Pollutant Information
06/17/2025	Walnut Creek Wetland Partnership – Partner Updates	25	Volunteer Information, Flood Plains, Flood Risk, CWEP
06/18/2025	Flowserve Safety Fair	308	R3 Brochures, Volunteer Information, Capture It!, Flood Risk, Rain Barrels, Drainage Assistance, Pollutant Information
06/23/2025	Midtown Citizens Advisory Council Meeting	30	GSI Information, Stormwater Capital Improvements Projects Information
06/23/2025	COR and WCPSS Small Business Expo	150	R3 Brochures, Volunteer Information, Stream Stabilization, Capture It!, Flood Insurance, CWEP, Rain Barrels, Pollutant Information
06/24/2025	CAC Meeting	28	R3 Brochures
06/24/2025	Nature Based Solutions for Managing Stormwater: Creating Parks and Urban Resilience	300	GSI Information, Pollutant Information
06/24/2025	Forestville Road park Community Advisory Group	16	GSI Information
06/26/2025	Hedingham Community Meeting	32	R3 Brochures
07/10/2025	Alamance Drive Public Meeting	12	Flood Plains, Flood Risk, Flood Insurance, CWEP
07/21/2025	Raleigh North CAC Meeting	15	SCM Retrofits and Restoration Projects Information
07/23/2025	Wake One Water Walnut Creek Wetland Park Tour	5	Volunteer Information, Flood Plains



Date	Description of Event/Activity	Attendee & Material Count (# materials equals # attendees)	Types of Educational Materials
07/28/2025	Lions Park Mosaic Workshop	29	Stream Stabilization
08/06/2025	Partners for Environmental Justice – Board Meeting	15	GSI Information
08/12/2025	Green Infrastructure Leadership Exchange – Sustainability Learning Circle	6	
08/16/2025	Mud Day 2025	90	R3 Brochures, Volunteer Information, Flood Plains, Flood Risk, Pollutant Information
08/18/2025	Broadlands HOA Community meeting	20	Drainage Assistance
08/23/2025	Nature Based Solutions in the City of Oaks – JC Raulston Arboretum Intro to Gardening in the South Seminar	248	R3 Brochures, Volunteer Information, Stream Stabilization, Flood Plains, Rain Barrels, Drainage Assistance
09/01/2025	Maintaining the Stormwater System and Pollution Prevention Week for Your Service Connection Newsletter	196,000	Pollutant Information
09/13/2025	Engage Raleigh Expo	78	R3 Brochures, Volunteer Information, Stream Stabilization, Flood Plains, Flood Risk, Flood Insurance, CWEP, Rain Barrels, Drainage Assistance, Pollutant Information
09/13/2025	Faith Family and Fellowship Community Event at Worthdale Park	20	Volunteer Information, CWEP, Rain Barrels, Pollutant Information
09/15/2025	North Raleigh CAC Meeting	16	R3 Brochures, Stream Stabilization, Flood Risk, Drainage Assistance, Pollutant Information
09/18/2025	Environmental Technology & Management NCSU Meet and Greet	35	Volunteer Information
09/20/2025	Hike and Chill Event	50	GSI Information, Pollutant Information
09/22/2025	Wake One Water Tours for Wake Co. Commissioners - GSI Tour	6	R3 Brochures, GSI Information, Education and Outreach Projects, Volunteer Information



Date	Description of Event/Activity	Attendee & Material Count (# materials equals # attendees)	Types of Educational Materials
09/24/2025	Stream Cleanup w/ WCWP, PEJ, Southeast Raleigh Promise, Wells Fargo	15	Volunteer Information
09/25/2025	CoR Operations Career Fair	95	R3 Brochures, Volunteer Information, Stream Stabilization, Flood Risk, Flood Insurance, Pollutant Information
09/25/2025	Laurel Hills Garden Club Presentation	12	R3 Brochures, Stream Stabilization, Flood Plains, Flood Risk, Rain Barrels, Drainage Assistance, Pollutant Information
09/28/2025	Fall Rain Garden and Rain Barrel Workshop	14	R3 Brochures, Rain Barrels
09/30/2025	Neighborhood Ecology Corps Bioblitz Day 1	8	Flood Plains, CWEP



Table B-4: Public Education and Outreach school events

Date	# Students Attended	Event Location	Event Description	Virtual/In-person
10/24/2024	7	Moore Square Middle School	Assisted 7 middle school students with a 'design your own city' project by teaching about watersheds, stormwater runoff, and pollution in Raleigh. Shared different types of infrastructure, grey and green, used to manage stormwater and discussed the importance of community involvement.	In-person
10/25/2024	125	Dillard Dr. Middle School	Shared a storm drain demo and answered career questions from the students.	In-person
11/04/2024	20	Wake Young Mens Leadership Academy	Shared a watershed demo with students, incorporating GSI and illicit discharge, before answering questions about careers in the stormwater and engineering field.	In-person
11/05/2024	95	Joyner Magnet Elementary School	Shared an EnviroScape Demo with Joyner ES 5th grade class and an interactive presentation about rain gardens.	In-person
11/22/2024	30	Stormwater Sticker Contest	Collected artistic submissions from Raleigh students to share the message of clean pipes, clean rivers, and the importance of the stormwater system for water quality.	Virtual
12/03/2024	7	Exploris Stream Advocates Group Storm Drain Painting Q&A	Answered questions about storm drain marking and painting from 8th grade class.	Virtual



Date	# Students Attended	Event Location	Event Description	Virtual/In-person
01/16/2025	400	Lacy Elementary STEM Fair	Introduced students to different macro-invertebrates and what they can tell us about local water quality.	In-person
02/25/2025	60	Dynamic Opportunities Watershed Demo	Shared a watershed demo + GSI information with Dynamic Opportunity Students	In-person
02/28/2025	67	Capture It! Stormwater Arts and Video Contest	Raleigh students in grades 8 - 12 (including one 5th grader!) submitted artwork and videos about water quality in Raleigh streams.	Virtual
03/20/2025	21	NC State University	Staff presented Raleigh's GSI initiatives and projects.	In-person
03/21/2025	190	Milbrook Environmental Connections Magnet Elementary School	STEM Career fair at MECME, shared info about GSI and wetlands for 4th - 5th graders	In-person
03/21/2025	28	Hilburn Academy Career Fair	Shared an Enviroscape Demo and answered questions about careers in stormwater	In-person
03/24/2025	5	NC State University	Presentation by Raleigh Stormwater on Raleigh Stormwater Management Program as well as information on the civil engineering and local governmental professions for NCSU students	In-person
04/09/2025	35	NC State University	Spoke with NCSU students, staff, and visitors about Stormwater programs and water quality.	In-person
04/11/2025	65	Fuller Elementary School	Shared 3 activities with students, becoming a rainstorm, Enviroscape, sorting waste audit	In-person



Date	# Students Attended	Event Location	Event Description	Virtual/In-person
04/22/2025	18	Brentwood Elementary School	Shared an Enviroscape, Trash Trap Activity, and plastic's impact on wildlife educational activities	In-person
04/22/2025	197	Lacy Elementary	Participated in the school earth day event, sharing an Enviroscape and trash sorting activity for 4 th - 5 th grade students	In-person
05/02/2025	36	Millbrook High School	Six week apprenticeship course about rain gardens, stormwater connectivity, and water quality.	In-person
05/09/2025	950	Dillard Dr. Middle School	Answered students questions about careers in stormwater, the stormwater system, and local water quality.	In-person
05/21/2025	106	Brier Creek Elementary	Shared an Enviroscape demo and watershed introduction	In-person
08/07/2025	21	Southeast Raleigh High School	Urban Sustainability Solutions led 21 teachers in a 2 day workshop during which they received their Rain Garden Certificates from the NC State Extension office and planned out their implementation of the apprenticeship program.	In-person
09/06/2025	25	Southeast Raleigh High School	Twenty-five (25) students and 6 teachers participated in the rain garden apprenticeship program. During the program, they participated in macro invertebrate sampling and water quality monitoring, GSI maintenance, and GSI planning / design.	Hybrid



Date	# Students Attended	Event Location	Event Description	Virtual/In-person
09/08/2025	72	Exploris Middle School	Shared how different pollutants impact Raleigh waterways and different behaviors that students can engage in to prevent pollution.	In-person
09/23/2025	34	Millbrook High School	The second apprenticeship cohort from Millbrook. They participated in the rain garden curriculum and participated in GSI planting, maintenance, and installation	In-person
09/30/2025	16	Wake Young Mens Leadership Academy	Shared an Enviroscape, an activity about land development impacting waterways, and answered questions about careers in Stormwater.	In-person

B.3 Program Assessment

Raleigh Stormwater staff have continued successful efforts to provide education and outreach to the community, while expanding in-person and virtual resources to improve accessibility and inclusivity throughout the city. When reporting outreach initiatives and events, stormwater staff now use a GIS-based survey form to document, via geolocation, where outreach has occurred, the materials distributed, and target audiences, sources, and pollutants. This tracking method helps identify gaps in outreach and identify growth opportunities. New outreach materials developed and disseminated during this reporting period include six ArcGIS StoryMaps about green stormwater infrastructure (GSI) and volunteer opportunities, and two videos about streams and floodplains produced by CWEP.

Staff use a variety of means to educate the public on water quality and stormwater impacts, including, but not limited to, event tabling, SMAC meetings, social media posts, newsletters, school visits, and the stormwater helpline. Brochures, television, radio, and newspaper outlets are utilized for education and outreach in both English and Spanish via an ongoing partnership and agreement with CWEP. Participation in the annual Stormwater Capture It! Art contest, a program that invites students to submit artwork and short videos about stormwater pollution, increased from last reporting period, receiving 67 entries from 8th - 12th grade students. The program included a month-long exhibition at Pullen Arts Center and a gallery opening to expand targeted audience exposure.

Stormwater staff are implementing new educational tools and activities for school visits and increasing school outreach. In-person school visits more than doubled from 12 visits last reporting period to 25 visits this year. In partnership with a non-profit organization, Stormwater staff launched a new GSI apprenticeship program for high school students and teachers. Participating teachers receive training and access to a



state science standards-aligned curriculum that introduces students to water quality issues and solutions. The teachers then lead students in a 6-week long apprenticeship program that concludes in a community field day where students work together to install or maintain GSI. Within this reporting year, 21 teachers and 95 students participated in the program.

The City's Illicit Discharge Detection and Elimination (IDDE) training module and Pollution Prevention and Good Housekeeping (PPGH) training modules were reviewed by City staff this reporting year. City staff meet monthly to enhance and expand internal and public outreach materials related to IDDE and PPGH.

Section C: Public Involvement and Participation

C.1 Program Narrative

The City provides opportunities for public involvement and participation in program development and implementation through community volunteer programs and mechanisms for public reporting and comment. The City's SWMP is noticed and presented at a public hearing for public comment at least once per permit cycle. Changes to City stormwater regulations and the annual budget for the Stormwater Management Division are also noticed and presented at public hearings for public comment on an as-needed basis. As a means of obtaining ongoing public input on policy and project matters, City Council established the Stormwater Management Advisory Commission (SMAC), which generally meets monthly to review stormwater management issues and provide guidance and recommendations to City Council. Comments from the public also are received during commission meetings.

C.2 Best Management Practices

Table C-1 includes a brief description of the Public Involvement and Participation best management practices required by the MS4 permit, the planned actions for the current and future fiscal years as described in the SWMP, the annual reporting metrics identified in the SWMP, and the actual metrics for actions completed during this reporting year.



Table C-1: Public Involvement and Participation Metrics and Results

Permit Reference/BMP	FY2025	FY2026	Reporting Metric(s)	2024-2025 Results
Part II Section C.2 (a) Volunteer community involvement program	Continue to provide community volunteer opportunities. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Continue to provide community volunteer opportunities. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Report number of participants in each City volunteer opportunity	Adopt a Stream: 1,313 Storm drain marking: 18 Stream monitoring: 24 Foster a Stream: 202



Permit Reference/BMP	FY2025	FY2026	Reporting Metric(s)	2024-2025 Results
Part II Section C.2 (b) Establish a mechanism for public involvement	Conduct meeting(s) with the SMAC. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Conduct meeting(s) with the SMAC. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Report dates for SMAC meetings and discussion topics pertaining to MS4 compliance	10.3.2024 – Asset Management Program update – Part I 11.11.2024 – Asset Management Program Update – Part II 12.5.2024 – Discussion of Public Involvement Event – State of Stormwater in Raleigh 1.16.2025 – FY26 Budget 2.6.2025– Water Supply Watershed Protection Program Update 3.6.2025 – FY26 Budget; Outreach Arts Contest 4.3.2025 – UDO Text Change 5.1.2025 – Post Construction Stormwater Program Update; Business Planning and Operational Data Analytics 6.5.2025 –SMAC workplan development 8.7.2025 – SMAC workplan development 9.4.2025 – SMAC workplan development



Permit Reference/BMP	FY2025	FY2026	Reporting Metric(s)	2024-2025 Results
Part II Section C.2 (c) Establish hotline(s) or helpline(s)	Maintain the stormwater administration helpline to receive public complaints. Evaluate the program effectiveness annually and notify the Water Quality Manager of plan program modifications.	Maintain the stormwater administration helpline to receive public complaints. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	N/A, see helpline reporting metrics in Part II Section B.2 (e)	N/A
Part II Section C.2 (d) Public review and comment	Maintain the webpage for the most recent version of the SWMP. Publicize a comment period for updates to the SWMP. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Maintain the webpage for the most recent version of the SWMP. Publicize a comment period for updates to the SWMP. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Report webpage link for SWMP	https://raleighnc.gov/SupportPages/stormwater-management-plan
			Report mechanisms used for public review and comment on the SWMP	The City uses the SWMP website with the Stormwater staff contact information, the City's Stormwater helpline phone number, and email address to provide citizens with a mechanism to comment on the SWMP between updates.
Part II Section C.2 (e) Public notice	Place legal public notice to advertise public review and comment opportunities when implementing a public involvement/participation program, as needed. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Place legal public notice to advertise public review and comment opportunities when implementing a public involvement/participation program, as needed. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	If public notice occurred for SWMP updates, report mechanism(s) used to advertise public review and comment and public notice period.	N/A
			Report number of SMAC meetings that provided an opportunity for public involvement/participation	11



C.3 Program Assessment

All permit requirements for Public Involvement and Participation are being met with well-advertised opportunities offered multiple times per year. While participation in events may vary due to influences outside of City staff control, community members continue to be involved in stewardship and engagement opportunities.

The Adopt a Stream program participation grew by 40% over the past reporting period, with 21 new groups joining the program. Foster a Stream opportunities experienced a slight decrease in participation over this reporting year. The decrease in participation is due to only one city-led Foster a Stream cleanup event occurring during this reporting period. Typically, two events are held annually, and the fall 2024 event occurred during last year's reporting period. The Storm Drain Marking Program saw increases in the number of participants and the number of drains marked. In this reporting year, 18 groups or individuals marked 519 drains. In addition to the regular volunteer program staff hosted a Storm Drain Marking Pop Up to increase visibility of the program and accessibility for volunteers to participate. The Stream Monitoring volunteer program, which requires volunteers to complete a training workshop and commit to taking monthly samples over one year, remained consistent in the number of volunteers who submitted data.

The Stormwater Management Advisory Commission (SMAC) met eleven times this year, with public comment on local stormwater issues provided by commission members and the community. SMAC, whose workplan includes focus on NPDES MS4 program areas, will continue to regularly convene throughout the next year and serve as an effective vehicle for public input.

Section D: Illicit Discharge Detection and Elimination

D.1 Program Narrative

The City's illicit discharge program has operated continuously since 1995. This program is based on a [City ordinance](#) that defines what constitutes an illicit discharge and an illicit connection and provides enforcement protocols. The ordinance provides the legal authority to implement the Illicit Discharge Detection and Elimination (IDDE) program.

Illicit discharges and illicit connections are identified through reports from the public and from City staff across all departments, dry weather screening observations, and outfall inspections. A team of four staff fulfill IDDE program responsibilities, including but not limited to dry weather screening, outfall inspections, potential illicit discharge investigations, and associated documentation of inspections, enforcement, and remediation actions. Preventive measures include education of City staff via trainings and internal communications, as well as the public via methods such as direct mailings to businesses and targeted audiences that have a history of illicit discharges. Outreach efforts also include regular updates to website content, social media, utility billing and newsletter inserts, and distribution of illicit discharge prevention information in coordination with Wake County and professional associations.



D.2 Best Management Practices

Table D-1 includes a brief description of the IDDE best management practices required by the MS4 permit, the planned actions for the current and future fiscal years as described in the SWMP, the annual reporting metrics identified in the SWMP, and the actual metrics for actions completed during this reporting year.

Table D-1: IDDE Metrics and Results

Permit Reference/BMP	FY2025	FY2026	Reporting Metric(s)	2024-2025 Results
Part II Section D.2 (a) Maintain appropriate legal authorities	Maintain and enforce public ordinances. Update, if necessary, to maintain legal authority. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Maintain and enforce public ordinances. Update, if necessary, to maintain legal authority. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	N/A, see Part II Section A.1 for reporting of legal authority updates	N/A
Part II Section D.2 (b) Maintain a storm sewer system base map of major MS4 outfalls	Maintain the storm sewer system base map in GIS and update annually as new inventory is added. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Maintain the storm sewer system base map in GIS and update annually as new inventory is added. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Report number of major outfalls	Total: 865
			Provide overview map of receiving streams and major outfalls	See Figure D-1 below



Permit Reference/BMP	FY2025	FY2026	Reporting Metric(s)	2024-2025 Results
Part II Section D.2 (c) Inspection/detection program to detect dry weather flows at MS4 outfalls	Review annually the IDDE Plan and update, as needed. Implement the IDDE Plan. Report any discharge that constitutes an imminent threat to health or the environment by phone or email to the DEQ Regional Office (during business hours) or NC Division of Emergency Management State Operation Center hotline (outside of business hours) within 24 hours. Raleigh Water is responsible for reporting of sanitary sewer overflows. Evaluate the program effectiveness annually and notify the Water Quality Manager of plan and/or program modifications.	Review annually the IDDE Plan and update, as needed. Implement the IDDE Plan. Report any discharge that constitutes an imminent threat to health or the environment by phone or email to the DEQ Regional Office (during business hours) or NC Division of Emergency Management State Operation Center hotline (outside of business hours) within 24 hours. Raleigh Water is responsible for reporting of sanitary sewer overflows. Evaluate the program effectiveness annually and notify the Water Quality Manager of plan and/or program modifications.	Report number of dry weather inspections completed and results Report number of discharges reported to the DEQ Regional Office or NC Division of Emergency Management due to an imminent threat to health or the environment	134 dry weather flow outfall inspections were completed; results in Table D-2. 24 illicit discharges were reported to the DEQ Regional Office due to an imminent threat to health or the environment
Part II Section D.2 (d) Employee training	Review annually the Education, Outreach, and Public Involvement Plan, and update, as needed. Conduct employee training and document attendance. Evaluate the program effectiveness annually and notify the Water Quality Manager of plan and/or program modifications.	Review annually the Education, Outreach, and Public Involvement Plan and update, as needed. Conduct employee training and document attendance. Evaluate the program effectiveness annually and notify the Water Quality Manager of plan and/or program modifications.	Report types of IDDE training provided and number of staff in attendance	1,130 City staff completed the IDDE training module through the City's SuccessFactors platform.



Permit Reference/BMP	FY2025	FY2026	Reporting Metric(s)	2024-2025 Results
Part II Section D.2 (e) Maintain a public reporting mechanism(s)	Maintain the stormwater administration helpline to receive public reports. Maintain the illicit discharge reporting email address (IllegalDischarge@raleighnc.gov). Coordinate with appropriate City staff so illicit discharge complaints received through the SeeClickFix app are routed to Raleigh Stormwater. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Maintain the stormwater administration helpline to receive public reports. Maintain the illicit discharge reporting email address (IllegalDischarge@raleighnc.gov). Coordinate with appropriate City staff so illicit discharge complaints received through the SeeClickFix app are routed to Raleigh Stormwater. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Report total number of illicit discharge complaints received See helpline reporting metrics in Table 5, Part II Section B.2 (e) of SWMP	City staff responded to 171 calls for potential illicit discharges; 45 calls were received through the City's Stormwater helpline
Part II Section D.2 (f) Documentation	Maintain IDDE inspection records, notices of violations and compliance, and other program records. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Maintain IDDE inspection records, notices of violations and compliance, and other program records. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Report dates of investigations, any enforcement action(s), and remediation that occurred	See Table D-2 below



Figure D-1: Receiving waters and major outfalls

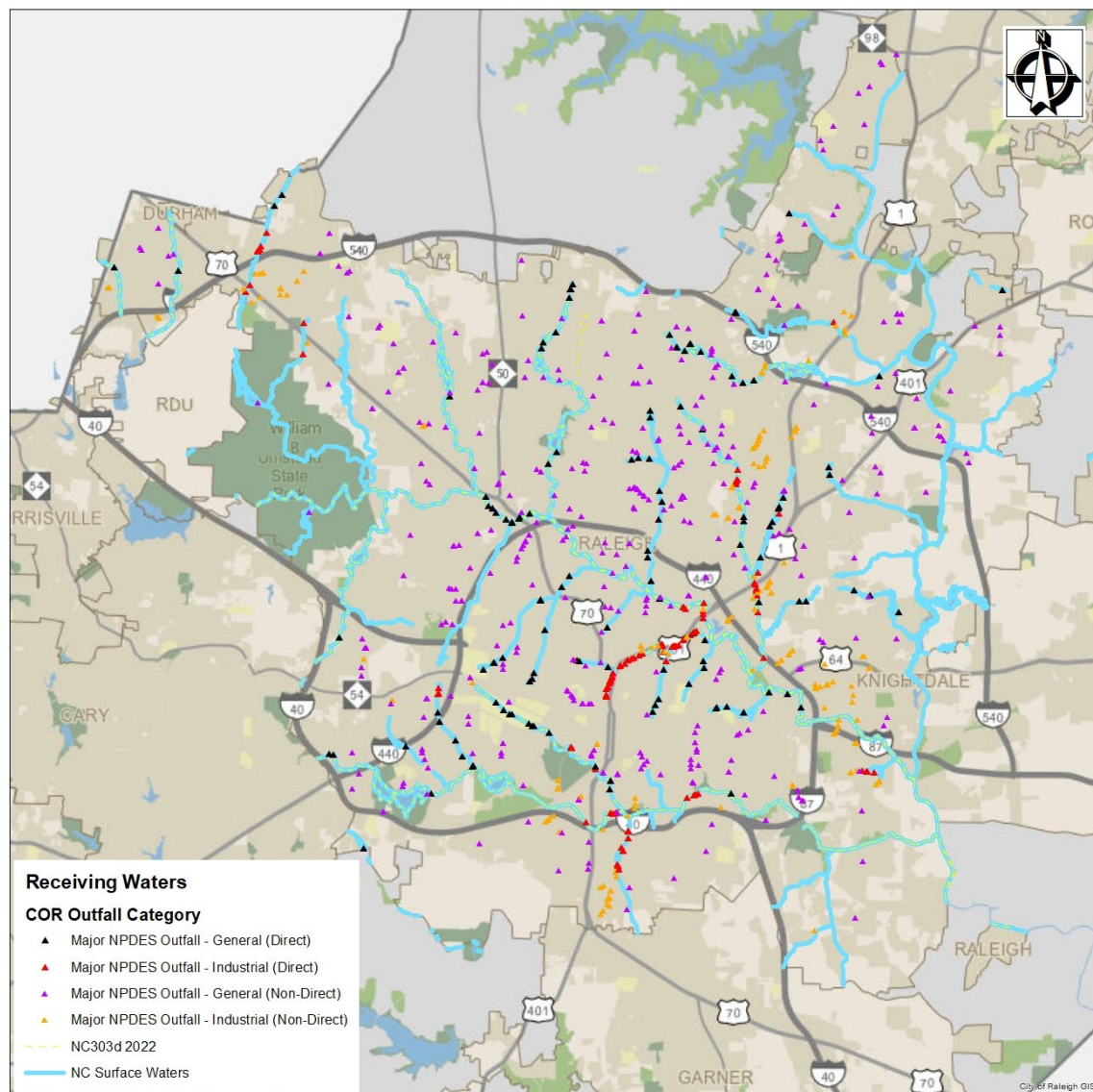




Table D-2: IDDE investigations and actions taken October 1, 2024 - September 30, 2025

Address	Date Received	Date Responded	Description	Enforcement Actions Taken	Remediation Actions Taken
4421 Woodlawn Dr, Raleigh, NC, 27616	10/1/2024	10/2/2024	Residents performing vehicle maintenance spilling used oil on the street	Investigated and found not to be a water quality concern; no further action taken	Source removed, no additional remediation required
3210 S Wilmington St, Raleigh, NC, 27603	10/4/2024	10/4/2024	Mobile car washing wastewater discharging to the storm drain	Warning Letter	Not required
1104 Hobson Ct, Raleigh, NC, 27607	10/7/2024	10/8/2024	Continuous leak coming from 1104 Hobson Ct.	Investigated and found not to be a water quality concern; no further action taken	Not required
3919 Jackson St, Raleigh, NC, 27606	10/8/2024	10/9/2024	A vacant dirt lot is being regularly used to conduct automotive repairs, oil changes and coolant flushes and the individual is dumping used contaminants into the ground	Warning Letter	Source removed, no additional remediation required
2001 Bridgeport Dr, Raleigh, NC, 27615	10/17/2024	10/17/2024	Sewer lateral ariel crossing is broken and discharging into a creek.	Notice of Violation	Vacuum and removal
1435 Garner Rd, Raleigh, NC, 27610	10/17/2024	10/17/2024	Private SSO	Notice of Violation	Vacuum and removal
4308 Batts Rd, Raleigh, NC, 27604	10/17/2024	10/17/2024	Potential septic tank failure leeching into storm system	Notice of Violation	Source removed, no additional remediation required
4405 Tealford Ct, Raleigh, NC, 27612	10/18/2024	10/18/2024	Runoff from apartment buildings spilling over greenway trails and into Crabtree Creek	Investigated and found not to be a water quality concern; no further action taken	Not required



Address	Date Received	Date Responded	Description	Enforcement Actions Taken	Remediation Actions Taken
2215 S New Hope Rd, Raleigh, NC, 27610	10/19/2024	10/21/2024	Vehicle washing without containment.	Notice of Violation	Source removed, no additional remediation required
8120 Owenston Ct, Raleigh, NC, 27612	10/19/2024	10/19/2024	SSO ~1,210 gallons discharged, with 0 gallons reaching surface waters	Referred to proper authority	Vacuum and removal
Davis Cir, Raleigh, NC, 27613	10/22/2024	10/22/2024	Grease/Wastewater discharge found at outfall	No responsible party identified; Raleigh Water completed remediation.	Vacuum and removal
Fairfax Dr, Raleigh, NC, 27609	10/22/2024	10/23/2024	Recycle truck leaking fluid on roadway	Summary Memorandum	Sweeping and removal
3317 Cheswick Dr, Raleigh, NC, 27609	10/22/2024	10/22/2024	Leaking private sewer lateral at 3317 Cheswick Dr.	Notice of Violation	Vacuum and removal
1815 Lake Wheeler Rd, Raleigh, NC, 27603	10/22/2024	10/22/2024	SSO ~31,900 gallons discharged, with ~1,750 gallons reaching surface waters	Referred to proper authority	Vacuum and removal
3901 Marcom St, Raleigh, NC, 27606	10/23/2024	10/23/2024	Private SSO discharge into yard	Warning Letter	Disinfectant application
5341 Barclay Dr, Raleigh, NC, 27606	10/24/2024	10/24/2024	Sewage discharging out of cleanout into yard	Investigated and found not to be a water quality concern; no further action taken	Vacuum and removal; Not required
1662 Brownairs Ln, Raleigh, NC, 27610	10/25/2024	10/25/2024	Junk vehicles possibly dripping oil on the street	Investigated and found not to be a water quality concern; no further action taken	Not required
7860 Alexander Promenade Pl, Raleigh, NC, 27617	10/29/2024	10/29/2024	Restaurant disposing of cooking grease in trash dumpsters	Notice of Violation	Vacuum and removal



Address	Date Received	Date Responded	Description	Enforcement Actions Taken	Remediation Actions Taken
1815 Lake Wheeler Rd, Raleigh, NC, 27603	10/29/2024	10/29/2024	Unknown pipe with constant flow of water	Investigated and found not to be a water quality concern; no further action taken	Not required
800 Corporation Pkwy, Raleigh, NC, 27610	10/30/2024	10/30/2024	SSO Overflow and wastewater sludge noted at SDO 005	Summary Memorandum	Not required
Banbury Rd, Raleigh, NC, 27607	10/31/2024	10/31/2024	Possible dumping of sediment from fiber cable installation sub-contractors into creek	Investigated and found not to be a water quality concern; no further action taken	Not required
4359 Six Forks Rd, Raleigh, NC, 27609	11/2/2024	11/4/2024	Wash stations are not using capture device	Warning Letter	Not required
4514 Cardinal Grove Blvd, Raleigh, NC, 27616	11/4/2024	11/4/2024	Vehicle fluids in road	Warning Letter	Not required
4513 Edwards Mill Rd, APT E, Raleigh, NC, 27612	11/7/2024	11/07/2024	Paint potentially washed into storm drain	Warning Letter	Source removed, no additional remediation required
3116 Hillsborough St, Raleigh, NC, 27607	11/7/2024	11/7/2024	Leaves in road	Investigated and found not to be a water quality concern; no further action taken	Not required
1725 New Hope Church Rd, Raleigh, NC, 27609	11/8/2024	11/08/2024	Possible auto fluid in the parking lot of commercial property	Investigated and found not to be a water quality concern; no further action taken	Not required
4409 Woodlawn Dr, Raleigh, NC, 27616	11/11/2024	11/12/2024	Vehicle fluids entering the storm drain	Notice of Violation	Sweeping and removal
6528 Suburban Dr, Raleigh, NC, 27615	11/12/2024	11/12/2024	A food truck spilling grease in curblane	Investigated and found not to be a water quality concern; no further action taken	Not required



Address	Date Received	Date Responded	Description	Enforcement Actions Taken	Remediation Actions Taken
511 Frank St, Raleigh, NC, 27604	11/16/2024	11/18/2024	Leaf debris blown into a storm drain	Investigated and found not to be a water quality concern; no further action taken	Not required
1521 Graduate Ln, Raleigh, NC, 27606	11/18/2024	11/18/2024	SSO ~ 22,500 gallons discharged, with ~3,000 gallons reaching surface waters	Referred to proper authority	Vacuum and removal
2038 Quail Forest Dr, Raleigh, NC, 27609	11/19/2024	11/19/2024	Private SSO entering catch basin along Old Wake Forest Rd	Notice of Violation	Vacuum and removal
5808 Departure Dr, Raleigh, NC, 27616	11/20/2024	11/20/2024	Stone cutting wastewater potentially discharging to onsite inlet	Warning Letter	Not required
2600 Bristol Pl, Raleigh, NC, 27610	11/27/2024	11/27/2024	SSO ~3200 gallons discharged, with ~3200 gallons reaching surface waters	Referred to proper authority	Vacuum and removal
3213 Enchanting Way, Raleigh, NC, 27616	11/29/2024	12/2/2024	Private SSO	Notice of Violation	Not required
9 N Harrington St, Raleigh, NC, 27603	12/2/2024	12/2/2024	Small grease spill on sidewalk	Investigated and found not to be a water quality concern; no further action taken	Not required
3320 Connectivity Way, Raleigh, NC, 27610	12/2/2024	12/2/2024	Potential algae in pond pollution	Investigated and found not to be a water quality concern; no further action taken	Not required
1061 Corporation Pkwy, Raleigh, NC, 27610	12/4/2024	12/4/2024	Pool of dark, slimy water noted	Warning Letter	Not required



Address	Date Received	Date Responded	Description	Enforcement Actions Taken	Remediation Actions Taken
3940 New Bern Ave, Raleigh, NC, 27610	12/4/2024	12/4/2024	Unknown discharge out of an PVC pipe that has not been marked by GIS team	Investigated and found not to be a water quality concern; no further action taken	Not required
1131 N West St, Raleigh, NC, 27603	12/10/2024	12/10/2024	Wet concrete drainage in the road from concrete plant	Investigated and found not to be a water quality concern; no further action taken	Not required
3408 Ribcowski Ct, Raleigh, NC, 27616	12/11/2024	12/11/2024	Hydraulic spill due to a ruptured hydraulic hose on Solid Waste Services vehicle	Summary Memorandum	Vacuum and removal
1 Glenwood Ave, Raleigh, NC, 27603	12/12/2024	12/12/2024	Maintenance workers blowing leaves and trash into the street	Investigated and found not to be a water quality concern; no further action taken	Not required
301 Hillsborough St, Raleigh, NC, 27601	12/13/2024	12/13/2024	Observed soap suds on sidewalk and curblin	Investigated and found not to be a water quality concern; no further action taken	Not required
400 Hillsborough St, Raleigh, NC, 27603	12/15/2024	12/16/2024	Grease interceptor overflow	Warning Letter	Vacuum and removal
3505 Rock Creek Dr, Raleigh, NC, 27609	12/17/2024	12/19/2024	Water continuously discharging from driveway	Investigated and found not to be a water quality concern; no further action taken	Not required
4010 Taylor Oaks Dr, Raleigh, NC, 27616	12/19/2024	12/19/2024	Private SSO	Notice of Violation	Sweeping and removal
8329 Neuse Lawn Rd, Raleigh, NC, 27616	12/23/2024	12/23/2024	Possible paint in storm drain	Investigated and found not to be a water quality concern; no further action taken	Not required



Address	Date Received	Date Responded	Description	Enforcement Actions Taken	Remediation Actions Taken
608 Carolina Pines Ave, Raleigh, NC, 27603	12/30/2024	12/30/2024	Private SSO	Notice of Violation	Vacuum and removal
Blue Ridge Rd & Westgrove St, Raleigh, NC, 27606	1/6/2025	1/6/2025	A possible small fuel spill in the storm drain with RFD on site	Investigated and found not to be a water quality concern; no further action taken	Not required
4279 Prairie Creek Trl, Raleigh, NC, 27616	1/8/2025	1/8/2025	Sewer cap is missing, allowing for odor and potential sewage to discharge	Investigated and found not to be a water quality concern; no further action taken	Not required
3316 Atlantic Ave, Raleigh, NC, 27604	1/9/2025	1/9/2025	Private SSO	Notice of Violation	Vacuum and removal
3508 Althorp Dr, Raleigh, NC, 27616	1/10/2025	1/10/2025	Multiple vehicles leaking oil all over the street	Warning Letter	Not required
2908 Chipmunk Ln, Raleigh, NC, 27607	1/13/2025	1/13/2025	Stream erosion	Investigated and found not to be a water quality concern; no further action taken	Not required
11700 New Leesville Blvd, Raleigh, NC, 27613	1/17/2025	1/18/2025	Car wash wastewater discharging off property to the road	Notice of Violation	Vacuum and removal
3423 Turnbridge Dr, Raleigh, NC, 27609	1/17/2025	1/17/2025	SSO ~7,500 gallons discharged, with ~7,500 gallons reaching surface waters	Referred to proper authority	Vacuum and removal
2929 Capital Blvd, Raleigh, NC, 27604	1/21/2025	1/21/2025	Illegal dumping of greasy wastewater from a food truck	Notice of Violation	Sweeping and removal
1804 Martin Luther King Jr Blvd, Raleigh, NC, 27610	1/22/2025	1/23/2025	Discharge out of clean out cap	Warning Letter	Not required



Address	Date Received	Date Responded	Description	Enforcement Actions Taken	Remediation Actions Taken
2235 New Hope Church Rd, Raleigh, NC, 27604	1/22/2025	1/23/2025	Food truck wastewater being dumped in the middle of the parking lot	Warning Letter	Not required
1800 Bellwood Dr, Raleigh, NC, 27605	1/27/2025	1/28/2025	Cloudy blue water from Cameron Street through Edna Metz Wells Park	Investigated and found not to be a water quality concern; no further action taken	Not required
3901 Marcom St, Raleigh, NC, 27606	1/29/2025	1/29/2025	Private SSO that has not entered surface waters	Warning Letter	Vacuum and removal
6627 Pathfinder Way, Raleigh, NC, 27616	1/31/2025	2/3/2025	Trash bag thrown into catch basin	Investigated and found not to be a water quality concern; no further action taken	Not required
5107 Pomfret Pt, Raleigh, NC, 27612	1/31/2025	1/31/2025	Cars have been leaking motor oil or transmission fluid on the roadside	Warning Letter	Not required
2729 Manthorp Ter, Raleigh, NC, 27610	2/4/2025	2/4/2025	Private SSO	Warning Letter	Source removed, no additional remediation required
1850 Fayetteville St, Raleigh, NC, 27603	2/8/2025	2/10/2025	Unknown blue coloration in the creek near the Walnut Creek greenway trail	Investigated and found not to be a water quality concern; no further action taken	Not required
2718 Ashland St, Raleigh, NC, 27608	2/10/2025	2/10/2025	Steady flow of water through the stormwater system	Investigated and found not to be a water quality concern; no further action taken	Not required
7931 Oak Estate St, Raleigh, NC, 27617	2/11/2025	2/11/2025	A vehicle potentially leaking motor oil or other petroleum-based products	Warning Letter	Sweeping and removal



Address	Date Received	Date Responded	Description	Enforcement Actions Taken	Remediation Actions Taken
12412 Beauvoir St, Raleigh, NC, 27614	2/11/2025	2/11/2025	Dry weather flow	Investigated and found not to be a water quality concern; no further action taken	Not required
2810 Churchill Rd, Raleigh, NC, 27607	2/13/2025	2/13/2025	SWS vehicle leaked hydraulic fluid	Summary Memorandum	Boom and pad placement
3311 Cotton Press St, Raleigh, NC, 27614	2/13/2025	2/14/2025	Unknown yellow chemicals spread in curb in front of house	Warning Letter	Not required
2220 Fox Ridge Manor Rd, Raleigh, NC, 27610	2/24/2025	2/24/2025	SSO ~6,232 gallons discharged, with ~1,460 gallons reaching surface waters	Referred to proper authority	Vacuum and removal
612 Frank St, Raleigh, NC, 27604	2/25/2025	2/25/2025	SSO ~40 gallons discharged, with ~40 gallons reaching surface waters	Referred to proper authority	Vacuum and removal
2342 New Bern Ave, Raleigh, NC, 27610	3/3/2025	3/3/2025	Litter from a nearby business	Investigated and found not to be a water quality concern; no further action taken	Not required
2601 Churchill Rd, Raleigh, NC, 27608	3/5/2025	3/6/2025	Private SSO	Warning Letter	Disinfectant application
301 Sustainable Way, Raleigh, NC, 27610	3/5/2025	3/6/2025	Water in the larger storm water drainage pond is blue	Investigated and found not to be a water quality concern; no further action taken	Not required
7304 Bassett Hall Ct, Raleigh, NC, 27616	3/6/2025	3/6/2025	Private SSO	Warning Letter	Not required
2006 McCarthy St, Raleigh, NC, 27608	3/7/2025	3/7/2025	Private SSO	Warning Letter	Not required



Address	Date Received	Date Responded	Description	Enforcement Actions Taken	Remediation Actions Taken
Rush St & Hammond Rd, Raleigh, NC, 27603	3/7/2025	3/7/2025	Fats, oils, and grease spilled in the road. No responsible party	Emergency PO	Vacuum and removal
2816 Knowles St, Raleigh, NC, 27603	3/10/2025	3/10/2025	Residents draining fluids from vehicles in road	Warning Letter	Not required
1351 Garden Stone Dr, Raleigh, NC, 27610	3/10/2025	3/10/2025	Fats oils and grease from kitchen waste are being dumped into a storm drain	Notice of Violation	Vacuum and removal
503 Alston St, Raleigh, NC, 27601	3/11/2025	3/11/2025	Private sewer line backing up onto someone's yard	Investigated and found not to be a water quality concern; no further action taken	Not required
3835 Bison Hill Ln, Raleigh, NC, 27604	3/13/2025	3/13/2025	Pet waste being deposited into the storm drain	Investigated and found not to be a water quality concern; no further action taken	Not required
1116 Kimberly Dr, Raleigh, NC, 27609	3/19/2025	3/20/2025	Contractors allowed cement runoff to enter road	Notice of Violation	Vacuum and removal
5902 Whittier Dr, Raleigh, NC, 27609	3/20/2025	3/20/2025	Optimist Pool staff discharged cleaning wastewater into the storm drain	Summary Memorandum	Source removed, no additional remediation required
2601 Oxford Rd, Raleigh, NC, 27608	3/20/2025	3/20/2025	Orange murky water in stream, likely due to sediment runoff	Investigated and found not to be a water quality concern; no further action taken	Not required
4901 Arkose Dr, Raleigh, NC, 27610	3/30/2025	3/30/2025	SSO ~1,365 gallons discharged, with ~0 gallons reaching surface waters	Referred to proper authority	Vacuum and removal
705 Bragg St, Raleigh, NC, 27610	4/9/2025	4/9/2025	SSO ~2940 gallons discharged with ~2040 gallons reaching surface waters	Referred to proper authority	Vacuum and removal



Address	Date Received	Date Responded	Description	Enforcement Actions Taken	Remediation Actions Taken
7700 Bernadette Ln, Raleigh, NC, 27615	4/14/2025	4/15/2025	Creek behind property is blueish in color	Investigated and found not to be a water quality concern; no further action taken	Not required
Purdue St, Raleigh, NC, 27609	4/15/2025	4/15/2025	Yard waste debris dumped into the stream	Investigated and found not to be a water quality concern; no further action taken	Source removed, no additional remediation required
9005 Colony Village Ln, Raleigh, NC, 27617	4/17/2025	4/17/2025	Private SSO	Warning Letter	Sweeping and removal
9500 Forum Dr, Raleigh, NC, 27615	4/19/2025	4/22/2025	Spotted a sheen/petroleum product in Mine Creek	Investigated and found not to be a water quality concern; no further action taken	Not required
E Hargett St & Fayetteville St, Raleigh, NC, 27601	4/21/2025	4/21/2025	Vendor dumping grease into storm drain	Investigated and found not to be a water quality concern; no further action taken	Not required
508 Frank St, Raleigh, NC, 27604	4/21/2025	4/21/2025	White discharge in stream behind home	Investigated and found not to be a water quality concern; no further action taken	Not required
1302 Mordecai Dr, Raleigh, NC, 27604	4/28/2025	4/28/2025	Hydraulic spill at construction site	Investigated and found not to be a water quality concern; no further action taken	Not required
8820 Gulf Ct, Raleigh, NC, 27617	4/29/2025	4/30/2025	Stone cutting wastewater discharged to buffer area	Notice of Violation	Source removed, no additional remediation required
3017 Sylvania Dr, Raleigh, NC, 27607	4/29/2025	4/30/2025	Concrete slurry pile discharged off property into curb	Notice of Violation	Sweeping and removal



Address	Date Received	Date Responded	Description	Enforcement Actions Taken	Remediation Actions Taken
4620 Pooh Corner Dr, Raleigh, NC, 27616	5/2/2025	5/2/2025	Wash water from power washing of exterior buildings discharging to ground	Investigated and found not to be a water quality concern; no further action taken	Not required
8204 Clear Brook Dr, Raleigh, NC, 27615	5/2/2025	5/2/2025	Turbid water discharging into the creek along the E. Fork Mine Greenway Trail	Investigated and found not to be a water quality concern; no further action taken	Vacuum and removal
1900 Kushima Ct, Raleigh, NC, 27604	5/5/2025	5/6/2025	Possible lithium-ion battery dropped into storm drain	Investigated and found not to be a water quality concern; no further action taken	Not required
1625 Netherfield Ln, Raleigh, NC, 27610	5/7/2025	5/7/2025	Neighbor's private sewer cleanout discharging in yard	Investigated and found not to be a water quality concern; no further action taken	Sweeping and removal
101 Cox Ave, Raleigh, NC, 27605	5/7/2025	5/8/2025	Construction debris (Styrofoam) leaving construction site	Notice of Violation	Vacuum and removal
1001 Corporation Pkwy, Raleigh, NC, 27610	5/7/2025	5/7/2025	Unknown liquid discharging out of pipe onto SWS property	Notice of Violation	Not required
616 Oberlin Rd, Raleigh, NC, 27605	5/7/2025	5/8/2025	Resident rinsing concrete residue into the storm drain	Warning Letter	Not required
510 Fenwick Dr, Raleigh, NC, 27603	5/8/2025	5/8/2025	Private SSO	Notice of Violation	Vacuum and removal
Streams Of Fields Dr, Raleigh, NC, 27604	5/9/2025	5/9/2025	Oil stains in the cul-de-sac	Investigated and found not to be a water quality concern; no further action taken	Not required
2801 Brewton Pl, Raleigh, NC, 27604	5/14/2025	5/15/2025	Illegal dumping on COR property	Investigated and found not to be a water quality concern; no further action taken	Vacuum and removal



Address	Date Received	Date Responded	Description	Enforcement Actions Taken	Remediation Actions Taken
4125 Capital Blvd, Raleigh, NC, 27604	5/15/2025	5/16/2025	Black waste disposal line under food truck noted in parking lot/street	Warning Letter	Not required
509 Pylon Dr, Raleigh, NC, 27606	5/16/2025	5/16/2025	Discharge of gasoline at fueling station	Notice of Violation	Vacuum and removal
6755 Chauncey Dr, Raleigh, NC, 27615	5/21/2025	5/21/2025	Resident spilled oil in the parking lot	Warning Letter	Not required
3909 Sherman Ave, Raleigh, NC, 27606	5/22/2025	5/22/2025	Chlorine smell in storm system	Investigated and found not to be a water quality concern; no further action taken	Not required
2500 Lenox Hill Ter, Raleigh, NC, 27615	5/30/2025	5/30/2025	Broken down tow truck possibly discharged oil and gas	Investigated and found not to be a water quality concern; no further action taken	Sweeping and removal
1330 Duplin Rd, Raleigh, NC, 27607	5/30/2025	6/2/2025	Trash/debris coming off construction site	Investigated and found not to be a water quality concern; no further action taken	Not required
5668 Tealbrook Dr, Raleigh, NC, 27610	5/30/2025	5/30/2025	Fill material and other debris thrown in buffer areas	Investigated and found not to be a water quality concern; no further action taken	Not required
4733 Cooksbury Ct, Raleigh, NC, 27604	6/2/2025	6/2/2025	Trash and debris thrown into storm drain	Investigated and found not to be a water quality concern; no further action taken	Not required
5900 Poyner Anchor Ln, Raleigh, NC, 27616	6/2/2025	6/2/2025	Possible dead ducks and hypodermic needles in pond at shopping center	Investigated and found not to be a water quality concern; no further action taken	Not required
Nowell Rd & Trinity Rd, Raleigh, NC, 27607	6/4/2025	6/4/2025	Water sealant material in 5-gallon buckets fell off a delivery truck – NCDOT involved	Referred to proper authority	Sweeping and removal



Address	Date Received	Date Responded	Description	Enforcement Actions Taken	Remediation Actions Taken
1906 Clark Ave, Raleigh, NC, 27605	6/4/2025	6/5/2025	Creek is discolored white	Investigated and found not to be a water quality concern; no further action taken	Not required
1901 Clark Ave, Raleigh, NC, 27605	6/5/2025	6/5/2025	SSO ~1,250 gallons discharged with ~1,250 gallons reaching surface waters	Referred to proper authority	Vacuum and removal
904 Peyton St, Raleigh, NC, 27610	6/9/2025	6/9/2025	Trash pile blocking the water flow of Walnut Creek	Referred to proper authority	Source removed, no additional remediation required
4733 Cooksbury Ct, Raleigh, NC, 27604	6/16/2025	6/16/2025	Neighbor is throwing trash into storm drains	Investigated and found not to be a water quality concern; no further action taken	Not required
1930 Alexander Rd, Raleigh, NC, 27608	6/16/2025	6/16/2025	SSO ~365 gallons discharged, with ~365 gallons entering surface waters	Referred to proper authority	Vacuum and removal
2821 Pinehurst Dr, Raleigh, NC, 27604	6/18/2025	6/18/2025	Stain in road	Investigated and found not to be a water quality concern; no further action taken	Not required
1615 Hillsborough St, Raleigh, NC, 27605	6/19/2025	6/20/2025	Styrofoam flowing into the storm drain from construction site	Investigated and found not to be a water quality concern; no further action taken	Not required
1716 Luna Way, Raleigh, NC, 27604	6/23/2025	6/24/2025	A neighbor is dumping motor oil in the storm drain	Warning Letter	Not required
N Person St, Raleigh, NC, 27604	6/23/2025	6/23/2025	City staff rinsing out concrete chute with rinse water and discharging water to the road.	Summary Memorandum	Not required



Address	Date Received	Date Responded	Description	Enforcement Actions Taken	Remediation Actions Taken
1805 Sagamore Ct, Raleigh, NC, 27604	6/30/2025	7/1/2025	Possible vehicle fluid spill	Investigated and found not to be a water quality concern; no further action taken	Not required
10330 Globe Rd, Morrisville, NC, 27560	7/6/2025	7/6/2025	SSO ~27,800 gallons discharged, with ~0 gallons reaching surface waters	Referred to proper authority	Vacuum and removal
1652 Pineview Dr, Raleigh, NC, 27606	7/8/2025	7/8/2025	Private SSO	Warning Letter	Not required
4120 Main at North Hills St, Raleigh, NC, 27609	7/9/2025	7/9/2025	Styrofoam particles leaving construction site	Notice of Violation	Vacuum and removal
4413 Capital Blvd, Raleigh, NC, 27604	7/13/2025	7/13/2025	Approximately 500 gallons of gasoline spilled overnight at gas station and was discharged into catch basin	Notice of Violation	Vacuum and removal
2146 Metacomet Way, Raleigh, NC, 27604	7/13/2025	7/14/2025	Sewer odor at creek	Investigated and found not to be a water quality concern; no further action taken	Sweeping and removal
101 Cox Ave, Raleigh, NC, 27605	7/18/2025	7/18/2025	Styrofoam debris leaving construction site	Notice of Violation	Vacuum and removal
5100 Edwards Mill Rd, Raleigh, NC, 27612	7/22/2025	7/22/2025	SSO ~154,700 gallons discharged with ~154,700 gallons reaching surface waters	Referred to proper authority	Vacuum and removal
1930 Alexander Rd, Raleigh, NC, 27608	7/23/2025	7/24/2025	Concrete wash entering storm drain	Notice of Violation	Sweeping and removal
Deanwood Dr, Raleigh, NC, 27615	7/23/2025	7/23/2025	SWS truck discharged hydraulic oil along Deanwood Road	Summary Memorandum	Sweeping and removal



Address	Date Received	Date Responded	Description	Enforcement Actions Taken	Remediation Actions Taken
4702 Springerly Ln, Raleigh, NC, 27612	7/26/2025	7/26/2025	SSO ~555 gallons discharged, with ~500 gallons reaching surface waters	Referred to proper authority	Vacuum and removal
8440 Louisburg Rd, Raleigh, NC, 27616	7/30/2025	7/30/2025	Pressure washing of garbage cans with degreaser and allowing wash water to enter stormwater system	Notice of Violation	Vacuum and removal
123 Forest Rd, Raleigh, NC, 27605	7/31/2025	7/31/2025	BMPs installed on catch basins causing flooding	Investigated and found not to be a water quality concern; no further action taken	Not required
3900 Eccles Ln, Raleigh, NC, 27616	7/31/2025	7/31/2025	Sheen in SCM device	Notice of Violation	Sweeping and removal
7304 Greystone Overlook Ct, Raleigh, NC, 27615	8/5/2025	8/5/2025	Private SSO	Notice of Violation	Vacuum and removal
4501 Hershey Ct, Raleigh, NC, 27613	8/5/2025	8/5/2025	SWS hydraulic oil discharge	Investigated and found not to be a water quality concern; no further action taken	Not required
614 Glenwood Ave, Raleigh, NC, 27603	8/6/2025	8/6/2025	Trash/litter debris blown into street	Warning Letter	Not required
610 Glenwood Ave, Raleigh, NC, 27603	8/6/2025	8/6/2025	Trash/litter debris in road	Warning Letter	Vacuum and removal
2051 Century Dr, Raleigh, NC, 27612	8/7/2025	8/7/2025	Styrofoam particles leaving construction site	Investigated and found not to be a water quality concern; no further action taken	Not required



Address	Date Received	Date Responded	Description	Enforcement Actions Taken	Remediation Actions Taken
516 Dennis Ave, Raleigh, NC, 27604	8/7/2025	8/7/2025	Overturned portable toilet on a construction site	Investigated and found not to be a water quality concern; no further action taken	Not required
12345 Strickland Rd, Raleigh, NC, 27613	8/9/2025	8/11/2025	Sewage possibly discharged after broken sprinkler head flooded area	Investigated and found not to be a water quality concern; no further action taken	Not required
305 Gary St, Raleigh, NC, 27606	8/15/2025	8/15/2025	Sediment, gas/oil in stormwater runoff on to their property during a storm	Investigated and found not to be a water quality concern; no further action taken	Not required
7209 Battle Bridge Rd, Raleigh, NC, 27610	8/15/2025	8/15/2025	Sediment dumping into a pond on private property	Investigated and found not to be a water quality concern; no further action taken	Not required
4477 Tryon Rd, Raleigh, NC, 27606	8/17/2025	8/17/2025	SSO ~35,513 gallons discharged, with ~35,213 gallons discharged to surface waters	Referred to proper authority	Vacuum and removal
222 W Hargett St, Raleigh, NC, 27601	8/20/2025	8/20/2025	Portable toilet cleaning agent discharged to street	Investigated and found not to be a water quality concern; no further action taken	Not required
201 Shelden Dr, Raleigh, NC, 27610	8/20/2025	8/20/2025	Food truck dumping grey water on ground, did not enter any storm drains	Warning Letter	Not required
781 Manchester Dr, Raleigh, NC, 27609	8/20/2025	8/21/2025	Oil spilled on the property	Notice of Violation	Excavation and removal
4412 Keswick Dr, Raleigh, NC, 27609	8/25/2025	8/25/2025	SSO ~1,837 gallons discharged, with ~1,837 gallons discharged to surface waters	Referred to proper authority	Vacuum and removal



Address	Date Received	Date Responded	Description	Enforcement Actions Taken	Remediation Actions Taken
101 Cox Ave, Raleigh, NC, 27605	8/27/2025	8/28/2025	Styrofoam debris is located along Cox Avenue, private property, storm drains and dry creek bed	Notice of Violation	Vacuum and removal
117 N Bloodworth St, Raleigh, NC, 27601	8/28/2025	8/29/2025	Paint wash leeching into drain that discharges to sidewalk	Warning Letter	Not required
1109 Brookside Dr, Raleigh, NC, 27604	9/2/2025	9/2/2025	Cloudiness noted in stream	Investigated and found not to be a water quality concern; no further action taken	Not required
220 Swinburne St, Raleigh, NC, 27610	9/2/2025	9/2/2025	Water tankers washing streets of sediment from construction site	Investigated and found not to be a water quality concern; no further action taken	Not required
Fenton Street, Raleigh, NC 27604	9/4/2025	9/5/2025	The Fenton Street monitor device indicated there were high levels of turbidity in the creek	Investigated and found not to be a water quality concern; no further action taken	Not required
1001 Riverview Rd, Raleigh, NC, 27610	9/5/2025	9/8/2025	Sheen noted from greenway	Investigated and found not to be a water quality concern; no further action taken	Not required
222 Fayetteville St, Raleigh, NC, 27601	9/5/2025	9/5/2025	Grease/used cooking oil on ground around containers	Warning Letter	Not required
13 E Martin St, Raleigh, NC, 27601	9/5/2025	9/5/2025	Observed residual grease/used oil on the ground and around storage containers	Warning Letter	Not required
2525 Noble Rd, Raleigh, NC, 27608	9/8/2025	9/8/2025	Grocery cart in small ditch on park property	Investigated and found not to be a water quality concern; no further action taken	Not required



Address	Date Received	Date Responded	Description	Enforcement Actions Taken	Remediation Actions Taken
1830 New Bern Ave, Raleigh, NC, 27610	9/12/2025	9/15/2025	Food truck dumping wastewater on the ground	Investigated and found not to be a water quality concern; no further action taken	Not required
3901 Hyson Pl, Raleigh, NC, 27604	9/13/2025	9/15/2025	Permanent car wash operated without measures	Investigated and found not to be a water quality concern; no further action taken	Not required
101 Cox Ave, Raleigh, NC, 27605	9/13/2025	9/15/2025	Styrofoam debris leaving construction site	Notice of Violation	Vacuum and removal
5010 Second St, Raleigh, NC, 27609	9/16/2025	9/17/2025	Possible dumping of septic into sewer/street	Investigated and found not to be a water quality concern; no further action taken	Not required
1326 E Millbrook Rd, Raleigh, NC, 27609	9/18/2025	9/24/2025	Discharging of grease to parking lot	Warning Letter	Not required
5300 Atlantic Springs Rd, Raleigh, NC, 27616	9/18/2025	9/18/2025	Food trailer discharging used oil/grease into storm drain	Notice of Violation	Vacuum and removal
5021 Dunbar Rd, Raleigh, NC, 27606	9/22/2025	9/22/2025	Two diesel bypass pumps parked by the culvert at the creek actively dripping fuel	Investigated and found not to be a water quality concern; no further action taken	Not required
3225 Huntleigh Dr, Raleigh, NC, 27604	9/23/2025	9/23/2025	Fish kill from a water main break on Huntleigh Drive	Investigated and found not to be a water quality concern; no further action taken	Not required
3111 Trimblestone Ln, Raleigh, NC 27616	9/24/2025	9/24/2025	SSO ~4,380 gallons discharged, with ~3,180 gallons reaching surface waters	Referred to proper authority	Vacuum and removal



Address	Date Received	Date Responded	Description	Enforcement Actions Taken	Remediation Actions Taken
2404 Brentwood Rd, Raleigh, NC, 27604	9/24/2025	9/25/2025	Trash is located near Marsh Creek	Investigated and found not to be a water quality concern; no further action taken	Not required

NOV = Notice of Violation
SWS = Solid Waste Services
SSO = Sanitary Sewer Overflow

D.3 Program Assessment

Staff continue to effectively implement and meet all permit requirements with 169 out of 171 complaints responded to by staff within one business day of receipt, and all but a single NOV resolved within this reporting year. The single outstanding NOV has resulted in enforcement action and civil penalty assessment with resolution pending at time of annual reporting.

Data from this reporting period indicates an overall decrease in total number of IDDE investigations, from 211 last reporting period to 171 this period. There was an approximate 43% decrease in City of Raleigh SSOs and an approximate 50% increase in private SSOs as compared to the previous reporting period. There was a 47% decrease in discharges associated with fats, oils, and grease (FOG), and an approximate 26% decrease in oil/automotive fluids source identification. The decrease in overall investigations, SSOs, FOG discharges, and oil/automotive fluid discharge sources may be a result of increased staff and public awareness due to the City's targeted education and outreach. In addition, internal coordination and IDDE education may have increased awareness and implementation of prevention management practices resulting in a reduction of reported City SSO incidents.

Staff met in April to review the IDDE program plan and all associated standard operating procedures (SOPs) for the IDDE program. Only minor updates were made throughout the documents. The self-audit that was conducted in June did not identify any gaps in compliance but did identify the need to clarify definitions that slightly differ between the ordinance and the pending new permit language. Staff are developing processes to identify and track chronic violators. Staff also executed an on-call spill response contract with a qualified contractor to enhance the City's ability to rapidly implement remediation protocols for discharges without an identified responsible party.

Throughout the next reporting year, staff will use IDDE data to inform targeted education and outreach efforts, dry weather flow inspections, and interdepartmental coordination.



Section E: Construction Site Runoff Controls

E.1 Program Narrative

The City has implemented construction site runoff controls (erosion and sediment control) since the 1970s. This program is delegated to the City and overseen by DEQ. The City erosion and sediment control ordinance provides legal authority for the program in the City corporate limits and extraterritorial jurisdiction (ETJ) area and is updated when necessary to meet DEQ's minimum requirements. Ordinance changes are noticed and subject to public hearing prior to adoption, as described in Section C.

The program includes plan review, permitting, inspection, education, and enforcement activities to control construction site runoff. For all projects that disturb greater than one acre, an NPDES construction permit is required; that application should be made to DEQ for permit coverage. In addition, all publicly funded projects that disturb more than one acre are required to obtain Erosion and Sediment Control plan approval through DEQ. The City also receives and responds to calls and concerns from citizens related to runoff from construction sites on a regular basis.

E.2 Best Management Practices

Table E-1 includes a brief description of the Construction Site Runoff Controls best management practices required by the MS4 permit, the planned actions for the current and future fiscal years as described in the SWMP, the annual reporting metrics identified in the SWMP, and the actual metrics for actions completed during this reporting year.



Table E-1: Construction Site Runoff Controls Metrics and Results

Permit Reference/BMP	FY2025	FY2026	Reporting Metric(s)	2024-2025 Results
Part II Section E.2 (a) The permittee has a delegated or authorized Sediment and Erosion Control Program. As such, to the extent authorized by law, the permittee is responsible for compliance with the Sediment Pollution Control Act of 1973 and Chapter 4 of Title 15A of the North Carolina Administrative Code. The delegated or authorized Sediment and Erosion Control Program effectively meets the MEP standard for Construction Site Runoff Controls by permitting and controlling development activities disturbing one or more acres of land surface and those activities less than one acre that are part of a larger common plan of development as authorized under the Sediment Pollution Control Act of 1973 and Chapter 4 of Title 15A of the North Carolina Administrative Code.	Implement standard construction site inspection procedures. Perform erosion and sediment control plan reviews. Perform enforcement activities, if necessary. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Implement standard construction site inspection procedures. Perform erosion and sediment control plan reviews. Perform enforcement activities, if necessary. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Report number of inspections and enforcement activities conducted	Inspections: 17,430 NOVs: 18 Civil Penalties: 0



Permit Reference/BMP	FY2025	FY2026	Reporting Metric(s)	2024-2025 Results
Part II Section E.2 (b) The NCG010000 permit establishes requirements for construction site operators to control waste such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste at the construction site that may cause adverse impacts to water quality. Part II Section E.2 (c) The permittee shall provide and promote a means for the public to notify the appropriate authorities of observed erosion and sedimentation problems. The permittee may implement a plan promoting the existence of the DEQ "Stop Mud" hotline (1-866- STOPMUD) to meet the requirements of this paragraph.	Perform construction site inspections for the erosion and sediment control program and appropriate enforcement activities that meet requirements of Part II Section E.2 (a), if necessary. Perform illicit discharge investigations when reported by City staff or residents. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Perform construction site inspections for the erosion and sediment control program and appropriate enforcement activities that meet requirements of Part II Section E.2 (a), if necessary. Perform illicit discharge investigations when reported by City staff or residents. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	N/A, see reporting metrics in SWMP Table 7 and Part II Section E.2 (a) and Part II Section D.2 (f) of the permit	N/A



Permit Reference/BMP	FY2025	FY2026	Reporting Metric(s)	2024-2025 Results
Part II Section E.2 (c) The permittee shall provide and promote a means for the public to notify the appropriate authorities of observed erosion and sedimentation problems. The permittee may implement a plan promoting the existence of the DEQ “Stop Mud” hotline (1-866- STOPMUD) to meet the requirements of this paragraph.	Maintain the stormwater administration helpline to receive public reports. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Maintain the stormwater administration helpline to receive public reports. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	N/A, see reporting metrics in SWMP Table 5 and Part II Section B.2 (c) and (e) of the permit	N/A
Part II Section E.2 (d) For new development and redevelopment projects to be built within the permittee’s planning jurisdiction by entities with eminent domain authority, the permittee shall, to the maximum extent practicable, coordinate the approval of the construction site runoff control with the DEMLR.	Coordinate with DEQ for development and redevelopment projects by entities with eminent domain authority, if necessary. This includes land-disturbing activities conducted by local, state, or United States governments or entities with the power of eminent domain (e.g., public utilities), which remain under jurisdiction of the Division of Energy, Mineral, and Land Resources (DEMLR). Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Coordinate with DEQ for development and redevelopment projects by entities with eminent domain authority, if necessary. This includes land-disturbing activities conducted by local, state, or United States governments or entities with the power of eminent domain (e.g., public utilities), which remain under jurisdiction of the Division of Energy, Mineral, and Land Resources (DEMLR). Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Report number of plans that required DEQ coordination for entities with eminent domain authority	14



E.3 Program Assessment

The Construction Site Runoff Control Program continued to effectively meet all permit requirements during this last reporting year and exceeded the number of routine inspections conducted in the previous reporting period. This team has remained fully staffed throughout this reporting period and is trained to handle complex inspections, complaints, and implement enforcement actions when needed. Staff have a good working relationship with the regulated community and can easily communicate items that need to be addressed on construction sites. These communication efforts seem to be well received by developers, builders, and contractors resulting in timely sediment and erosion control measure repairs.

Staff continue to issue Notice of Violations and will routinely utilize non-traditional enforcement tools such as withholding Certificates of Occupancy, preventing building permit issuance, and halting trade inspections to achieve site compliance. Staff continue to document inspection and enforcement procedures and make changes to the UDO to improve overall program effectiveness and compliance. On November 2, 2024, the Guidelines for Land Disturbing Activities document was removed as an enforceable document of the UDO and was replaced with a new Stormwater Design Manual with a chapter dedicated to Erosion and Sediment Control design standards and requirements. To date, this change has provided a much-needed update to standards for the design community and staff are better able to implement the program. To prepare and inform the development community about these changes, workshops were held for homebuilders and designers. Over 200 people attended the workshops, and additional applicants viewed the recordings.



Section F: Post-Construction Site Runoff Controls

F.1 Program Narrative

The City's post-construction site runoff controls remain in compliance with the City's NPDES MS4 permit through the Neuse Nutrient Sensitive Waters Management Strategy and Water Supply Watershed programs.

The City implements the Neuse Nutrient Sensitive Waters Management Strategy (15A NCAC 2B .0235) throughout the corporate limits and ETJ area of Raleigh. Water Supply Watershed IV (WS-IV) Programs (15A NCAC 2H .0216) are implemented in the Falls Lake and Richland Creek watersheds. A Water Supply Watershed III (WS-III) Program (15A NCAC 2B .0215) is implemented in the Swift Creek watershed.

The City's post-construction site runoff controls are deemed compliant with the implementation of the above-mentioned program measures. The controls are enforced through the City Unified Development Ordinance (UDO) and Stormwater Design Manual, which are at least as stringent as state requirements.

The City provides mechanisms to record deed restrictions and protective covenants to ensure ongoing maintenance of post-construction stormwater control measures (SCMs). The City has also set up a private maintenance policy for owners of private properties with post-construction SCMs. Every year, the private property owner must have a licensed professional engineer, surveyor or landscape architect certify that the SCM is properly functioning and maintained and must send that certification to the City. If these inspections and certifications are not made, then notification and enforcement actions, including issuance of civil penalties, are taken. The maintenance activities required for each SCM are outlined in an operation and maintenance plan, which is approved during the design review process.

The City also provides educational materials and training for developers on requirements for new development, redevelopment, and SCM construction and maintenance.

F.2 Best Management Practices

Table F-1 includes a brief description of the Post-Construction Site Runoff Controls best management practices required by the MS4 permit, the planned actions for the current and future fiscal years as described in the SWMP, the annual reporting metrics identified in the SWMP, and the actual metrics for actions completed during this reporting year.



Table F-1: Post-Construction Site Runoff Controls Metrics and Results

Permit Reference/BMP	FY2025	FY2026	Reporting Metric(s)	2024-2025 Results
Part II Section F.2 (a) Post-construction stormwater management program	Review the UDO and Stormwater Design Manual annually and make documents available to developers and construction site operators. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Review UDO and Stormwater Design Manual annually and make documents available for developers and construction site operators. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	N/A, see reporting metrics in SWMP Table 4 and Part II Section A of the permit	N/A
Part II Section F.2 (b) Strategies which include SCMs appropriate for the MS4	Maintain the UDO and Stormwater Design Manual so that the City requirements are at least as stringent as the minimum requirements in 15A NCAC 02H .1000 and make documents available to developers and construction site operators. Review annually the SCM Inspections Program Plan and update, if necessary. Implement the SCM inspection and maintenance program. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Maintain the UDO and Stormwater Design Manual so that the City requirements are at least as stringent as the minimum requirements in 15A NCAC 02H .1000 and make documents available to developers and construction site operators. Review annually the SCM Inspections Program Plan and update, if necessary. Implement SCM inspection and maintenance program. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Report number of sites with SCMs	1,386
			Report number of sites where SCM inspections have been received	1,298
			Report SCM enforcement activities	128 NOVs issued; \$150,000 in civil penalties.



Permit Reference/BMP	FY2025	FY2026	Reporting Metric(s)	2024-2025 Results
Part II Section F.2 (c) Deed restriction and protective covenants	Develop covenant template for single-owner SCMs. Maintain recording mechanisms for deed restrictions and protective covenants. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Continue to develop covenant template for single-owner SCMs. Maintain recording mechanisms for deed restrictions and protective covenants. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Verify that mechanisms such as recorded deed restrictions, plats, and/or protective covenants are provided so that development activities maintain the project consistent with approved plans	Plat maps and maintenance easements are mechanisms utilized so that SCMs are maintained and consistent with the approved plans
Part II Section F.2 (d) Operation and maintenance plan	Require submittal of operation and maintenance plan(s) prior to Certificate of Occupancy issuance and maintain records of each plan. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Require submittal of operation and maintenance plan(s) prior to certificate of occupancy issuance and maintain records of each plan. Evaluate the program effectiveness and notify the Water Quality Manager of program modifications.	Report number of sites with newly approved operation and maintenance plans at time of plan review	100



Permit Reference/BMP	FY2025	FY2026	Reporting Metric(s)	2024-2025 Results
Part II Section F.2 (e) Educational materials and training for developers	Review annually developer training and outreach materials and update, as needed.	Review annually developer training and outreach materials and update, as needed.	Report types of fact sheets, educational brochures, and other materials made available to developers	Web-based; Annual Inspection requirements, As-Built requirements, Outreach centered around Stormwater Design Manual Update
	Conduct training for developers.	Conduct training for developers.	Report training events held for developers and number of participants	Workshops were held for homebuilders and designers to cover the Stormwater Design Manual changes. Over 200 people attended the workshops, and additional applicants viewed the recordings.
	Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications. Notify the Water Quality Manager of program modifications.	Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.		

F.3 Program Elements

Table F-2 includes a brief description of additional Post-Construction Site Runoff Controls program elements required by the MS4 permit, the planned actions for the current and future fiscal years as described in the SWMP, the annual reporting metrics identified in the SWMP, and the actual metrics for actions completed during this reporting year.



Table F-2: Post-Construction Site Runoff Controls Program Element Metrics and Results

Permit Reference/BMP	FY2025	FY2026	Reporting Metric(s)	2024-2025 Results
Part II Section F.3 Design post-construction practices that meet or exceed state rules	Review annually the DEQ model ordinance and regulations for changes affecting the City's post-construction practices. Incorporate and submit revisions to DEQ for approval, as needed. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Review annually the DEQ model ordinance and regulations for changes affecting the City's post-construction practices. Incorporate and submit revisions to DEQ for approval, as needed. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Report whether UDO was updated (Y/N)	Yes. Stormwater Design Manual was updated and incorporated in UDO approved by Council on September 3, 2024, and effective November 2, 2024. Additional UDO changes (TC-2-2025) were approved on September 2, 2025.
Part II Section F.4 Implement additional requirements for sensitive receiving waters	Maintain SWMP Table 1, which identifies City receiving waters, including NSW and Water Supply Watershed designations. Implement the Neuse River Basin Nutrient Sensitive Waters Management Strategy throughout the City's corporate limits and ETJ area. Implement Water Supply Watershed rules in designated watersheds. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Maintain SWMP Table 1, which identifies City receiving waters, including NSW and Water Supply Watershed designations. Implement the Neuse River Basin Nutrient Sensitive Waters Management Strategy throughout the City's corporate limits and ETJ area. Implement Water Supply Watershed rules in designated watersheds. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	N/A, see SWMP Table 2 and 4, and Part II Section A.1. of the permit	N/A



Permit Reference/BMP	FY2025	FY2026	Reporting Metric(s)	2024-2025 Results
Part II Section F.5 Meet post-construction requirements for projects performed by permittee	Maintain UDO and Stormwater Design Manual and make documents available all City Departments. Review annually the Asset Management SCM Operation & Maintenance Plan and update, if necessary. Implement SCMs and dams asset management program. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Maintain UDO and Stormwater Design Manual and make documents available all City Departments. Review annually the Asset Management SCM Operation & Maintenance Plan and update, if necessary. Implement SCMs and dams asset management program. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	N/A, see reporting metrics in Table 9 and 11 of the SWMP and Part II Section F.2 (b) and Part II Section G.2 (g) of the permit	N/A
			Number of City projects approved for post-construction compliance	13
Part II Section F.6 SCM water quality design volume will account for runoff at build out	Maintain UDO and Stormwater Design Manual and make documents available for developers and construction site operators. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Maintain UDO and Stormwater Design Manual and make documents available for developers and construction site operators. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	N/A, see reporting metrics in SWMP Table 4 and 9 and Part II Section F.2 (b) and Part II Section A.1 of the permit	N/A



Permit Reference/BMP	FY2025	FY2026	Reporting Metric(s)	2024-2025 Results
Part II Section F.7 Non-NCDOT linear transportation projects meet post-construction requirements	Document design requirements for linear projects that will be conveyed to NCDOT demonstrating consistency with current City practices. Implement guidance for NCDOT projects. Evaluate the program effectiveness and notify the Water Quality Manager of program modifications.	Document design requirements for linear projects that will be conveyed to NCDOT demonstrating consistency with current City practices. Implement guidance for NCDOT projects. Evaluate the program effectiveness and notify the Water Quality Manager of program modifications.	Report the number of linear projects with an approved design that will be conveyed to NCDOT	0

F.4 Program Assessment

During this reporting year the Stormwater Plan Review group maintained a full staff and continued to meet all permit requirements. The updates to the Stormwater Design Manual and UDO (TC-1A-2024 and TC-1B-2024) became effective on November 2, 2024. Two additional changes to the UDO were made as TC-2-2025, which was adopted September 2, 2025 and became effective 5 days later. Staff continued to make improvements to existing internal checklists and SOPs.

The SCM Inspections program has continued to grow and improve the compliance rate among all SCMs, as well as enforcement efforts in the past year. In February 2025 all vacant positions in the group were filled, which helped with catching up on pre-existing backlog. There continues to be an increase in the total number of report submittals received (62 more than the previous reporting year). With this increase, the compliance rate citywide has still improved compared to the previous reporting year. Roughly 93% of sites have submitted acceptable reports this reporting year compared to 87% last year. The total number of NOV's issued has decreased since the previous reporting year, which also further supports that there has been improvement in the compliance rate among all sites. With continued growth of the program, staff will continue to annually review the program plan and assess overall workload and long-term staffing needs. We are working on improving our internal metrics and data collection related to staffing and workload needs to ensure the program is scaled at an appropriate rate to manage those BMPs.



Section G: Pollution Prevention and Good Housekeeping for Municipal Operations

G.1 Program Narrative

The Stormwater Management Division has developed and implemented a facility inventory, inspection program, Site Pollution Prevention Plans (SPPPs) and Stormwater Pollution Prevention Plans (SWPPPs), spill response guidance, and staff training to prevent or mitigate pollution from municipal facilities and operations.

The City also inspects and maintains municipally-owned SCMs and the storm sewer system to assess and maintain its condition.

G.2 Best Management Practices

Table G-1 includes a brief description of the Pollution Prevention and Good Housekeeping best management practices required by the MS4 permit, the planned actions for the current and future fiscal years as described in the SWMP, the annual reporting metrics identified in the SWMP, and the actual metrics for actions completed during this reporting year.

Table G-1: Pollution Prevention and Good Housekeeping for Municipal Operations Metrics and Results

Permit Reference/BMP	FY2025	FY2026	Reporting Metric(s)	2024-2025 Results
Part II Section G.2 (a) Inventory of municipal facilities and operations	Review the inventory annually and update, as needed, based on changes in municipal facilities and operations.	Review the inventory annually and update, as needed, based on changes in municipal facilities and operations.	Report inventory of facilities determined to have significant potential for generating polluted stormwater runoff	30 facilities; see Table G-2 below



Permit Reference/BMP	FY2025	FY2026	Reporting Metric(s)	2024-2025 Results
	Maintain and update inventory of municipally-owned SCMs. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Maintain and update inventory of municipally-owned SCMs. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Report number of municipal SCMs by type	Total: 77 Wet Pond: 7 UG Detention: 9 Swale: 1 Sand Filter: 3 Cistern: 0 Permeable Pavement: 1 Level Spreader w/ Filter Strip: 3 Green Roof: 0 Filterra: 13 Dry Pond: 8 Wetland: 7 Bioretention: 25
Part II Section G.2 (b) Inspection and maintenance program for municipal facilities and operations	Review annually the Asset Management SCM Operations and Maintenance Plan and Industrial Facility Inspection Program Plan guidance and update, as needed. Inspect and document municipal facility inspections, including any corrective actions. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Review annually the Asset Management SCM Operations and Maintenance Plan and Industrial Facility Inspection Program Plan guidance and update, as needed. Inspect and document municipal facility inspections, including any corrective actions. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Report number of facilities inspected	98 facilities were inspected
			Report corrective actions taken at municipal facilities or operations	Three summary memoranda were sent to facility contacts to address corrective actions at a total of six facilities. SPPPs were updated, corrective actions were documented, training was completed, and inspections resumed.



Permit Reference/BMP	FY2025	FY2026	Reporting Metric(s)	2024-2025 Results
Part II Section G.2 (c) SPPPs for municipal facilities	Review annually facility SPPPs/SWPPPs with facility owning departments and update, as needed. Develop SPPPs/SWPPPs for newly identified facilities, if necessary. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Review annually facility SPPPs/SWPPPs with facility owning departments and update, as needed. Develop SPPPs/SWPPPs for newly identified facilities, if necessary. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Report number of facilities within the City corporate limits with SPPPs/SWPPPs	30 facilities have SWPPPs/SPPPs in complete form.
Part II Section G.2 (d) Spill response procedures for municipal facilities and operations	Review facility, operation, and Citywide spill response procedures and update, if necessary. Notify the Water Quality Manager of program modifications.	Review facility, operation, and Citywide spill response procedures annually and update, as needed. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Report number of spill response procedures developed/updated	1
Part II Section G.2 (e) Prevent or minimize contamination of stormwater runoff from all areas used for vehicle and equipment cleaning	Review procedures for vehicle and equipment cleaning operations annually and update, as needed.	Review procedures for vehicle and equipment cleaning operations annually and update, as needed.	Report number of high priority facilities performing vehicle and equipment cleaning operations	8



Permit Reference/BMP	FY2025	FY2026	Reporting Metric(s)	2024-2025 Results
	Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Report actions taken to prevent or minimize stormwater runoff from vehicle and equipment cleaning	SPPPs and SWPPPs exist at each high priority facility that provide BMPs for vehicle and equipment cleaning. Stormwater staff have inspected each of these sites within this reporting year.
			Report number of facilities with three or fewer fire trucks undergoing renovations that will include structural measures to prevent wash water from entering the storm sewer system to the extent feasible	Two fire stations are currently being designed and will be reviewed to meet the UDO by Stormwater Plan Review staff prior to approval. One fire station renovation is currently under construction.
Part II Section G.2 (f) Streets, roads, and public parking lots maintenance	Document street, road, and public parking lot BMPs in the MS4 Operation and Maintenance Plan. Implement BMPs to reduce polluted stormwater runoff from municipally-owned streets, roads, and public parking lots. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Document street, road, and public parking lot BMPs in the MS4 Operation and Maintenance Plan. Implement BMPs to reduce polluted stormwater runoff from municipally-owned streets, roads, and public parking lots. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Report maintenance activities completed in the previous fiscal year	5,295 miles of street were swept



Permit Reference/BMP	FY2025	FY2026	Reporting Metric(s)	2024-2025 Results
Part II Section G.2 (g) Inspection and Maintenance (I&M) for municipally-owned or maintained stormwater control measures (SCMs) and the storm sewer system.	Review annually the MS4 Operation and Maintenance Plan and Asset Management SCM Operation and Maintenance Plan, and revise, as needed.	Review annually the MS4 Operation and Maintenance Plan and Asset Management SCM Operation and Maintenance Plan, and revise, as needed.	Report number of municipal SCMs inspected	58 City-owned regulatory compliance SCMs installed prior to this reporting period have been inspected
	Review annually the Asset Management SCM Operation and Maintenance Plan, and revise, as needed. Establish service level agreements (SLAs) with facility owning departments address shared ownership and maintenance responsibilities and outstanding maintenance needs for SCMs located at municipal facilities.	Implement inspection and maintenance programs documented in the MS4 Operation and Maintenance Plan and Asset Management SCM Operation and Maintenance Plan. Review existing SLAs and coordinate with facility owning departments, if necessary.	Report number of storm sewer conveyance system components inspected	Number of bridges inspected: 64 Number of crossline conveyances (culverts) inspected: 116 Linear footage of drainage system that has had CCTV inspection: 71,328 Linear footage of drainage system that has had pole camera inspection: 225,467 Number of catch basins inspected: 600 Number of junctions inspected: 1



Permit Reference/BMP	FY2025	FY2026	Reporting Metric(s)	2024-2025 Results
	Review existing SLAs and coordinate with facility owning departments, if necessary. Implement inspection and maintenance programs documented in the MS4 Operation and Maintenance Plan and Asset Management SCM Operation and Maintenance Plan. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Report maintenance and repair actions	Number of storm assets flushed and/or vacuumed: 1,060 Linear feet of stormwater pipe flushed and/or vacuumed: 34,972 Number of crossline conveyances (culverts) maintained: 2,563 Number of inlet/junction tops reset: 344 Number of inlets/junctions maintained: 1,133 Number of pipes repaired/replaced: 27 Linear feet or channels redefined: 3,014 Number of bridges repaired: 4 Number of culverts repaired: 0 Number of catch basins repaired: 186 Number of junctions repaired: Replacements: 6



Permit Reference/BMP	FY2025	FY2026	Reporting Metric(s)	2024-2025 Results
Part II Section G.2 (h) Staff training	Review annually and implement the Education, Outreach, and Public Involvement Plan, in conjunction with Part II Section D.2 (d) in Table 7, which documents the employee training program, including who should receive training, types of training, and frequency. Conduct employee training and document attendance. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Review annually and implement the Education, Outreach, and Public Involvement Plan, in conjunction with Part II Section D.2 (d) in Table 7, which documents the employee training program, including who should receive training, types of training, and frequency. Conduct employee training and document attendance. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Report types of training provided and number of staff who completed PPGH training	854 City staff completed the PPGH training modules via the City's SuccessFactors portal. 1



Table G-2: PPGH inventory of facilities that have significant potential to generate polluted stormwater runoff

Facility Name	Facility Owning Department
Lake Woodard (PUD)	Raleigh Water
Northeast Remote Operations (Burwell St)	VFS/Parks
COR Paratransit Operations Facility	Transportation
Downtown Remote Operations	Engineering Services/Transportation
Raleigh Transit Operations Facility	Go Raleigh
New Bern Avenue Maintenance Facility	Raleigh Fire Department/Engineering Services
Solid Waste-Wilders Grove Service Center	Solid Waste Services
Yard Waste Facility	Solid Waste, Yard Waste Facility
Buffaloe Road Athletic Park	Parks, Recreation and Cultural Resources
Walnut Creek Park North	Parks, Recreation and Cultural Resources
Ridge Road Pool	Parks, Recreation and Cultural Resources
Raleigh Fire Department Facility #1	Raleigh Fire Department
Mt. Herman Rd Operation Facility	Transportation
Biltmore Hills Park	Parks, Recreation and Cultural Resources
Millbrook-Exchange Park	Parks, Recreation and Cultural Resources
Pullen Park	Parks, Recreation and Cultural Resources
Optimist Park	Parks, Recreation and Cultural Resources
Longview Pool	Parks, Recreation and Cultural Resources
Neuse River Resource Recovery Facility	Raleigh Water
E. M. Johnson Water Treatment Plant	Raleigh Water
Raleigh Union Station	Transportation
Bain Odor Control Station	Raleigh Water
Lake Johnson	Parks, Recreation and Cultural Resources
Dorothea Dix Park	Parks, Recreation and Cultural Resources
Keeter Training Center	Raleigh Fire Department
Marsh Creek Facility	Parks, Recreation and Cultural Resources
Walnut Creek Odor Control and Pump Station	Raleigh Water
Crabtree Creek Odor Control & Pump Station	Raleigh Water



Facility Name	Facility Owning Department
Marsh Creek Odor Control Station	Raleigh Water
Buffaloe Road Odor Control Station	Raleigh Water

G.3 Program Assessment

Staff continue to effectively meet PPGH permit requirements. Throughout this reporting year, staff have completed inspections at 98 facilities, which is a slight increase from the previous year. All 30 City-wide high priority facilities were inspected at least once, with additional follow-up inspection completed as necessary. Inspections of low priority and minimum exposure facilities were also completed this last year. Three summary memoranda were distributed for corrective actions that targeted six facilities for identified deficiencies. All compliance concerns were resolved during this reporting year.

This year, SCM inspections were completed on 58 of the 77 City-owned SCMs. Twelve of the 19 SCMs that did not receive inspection are conducting ongoing rehabilitation to address maintenance concerns. These 12 SCMs will be offline for approximately 2 years while they are redesigned and constructed. SCM Staff will send Non-Compliant Letters in November to all departments responsible for the 19 sites that are out of compliance.

Staff currently utilize both an outside maintenance contractor and a newly formed internal SCM Maintenance crew to continue to work towards full compliance for individual SCMs. Efforts this reporting year include rehabilitation and compliance of 10 individual SCMs that were deemed non-compliant last reporting year. During the next reporting year, staff will split the inspection due dates into two groups to aid in the goal of full compliance and to better align with the new NPDES MS4 reporting year.

Regarding MS4 maintenance, staff will continue to review the data collected through inspections, repairs, and maintenance, and analyze it for trends or hotspots of drainage issues. During this reporting year, staff developed a system of priority areas and quantification for street sweeping and catch basin cleaning to reduce nutrient loading to the MS4. Furthermore, staff are adding detail and guidance in the MS4 O&M Plan to address vehicle and equipment washing. MOUs and/or legal agreements with outside entities are being developed to support annual inspection submittals for jurisdictional SCMs that are located at City facilities and managed by an outside entity.



Section H: Program to Monitor and Evaluate Stormwater Discharges to Municipal Systems

H.1 Program Narrative

The City maintains an inventory of permitted hazardous waste treatment, disposal, and recovery facilities; industrial facilities that are subject to Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA); and industrial facilities identified with an industrial activity permitted to discharge stormwater to the City MS4. The City's program prioritizes and inspects City-owned facilities with NPDES Industrial Stormwater Permits annually and privately-owned facilities with NPDES Industrial Stormwater Permits at least once every three years. No-exposure sites permitted through DEQ are inspected once every permit cycle.

If potential non-compliance is found at a permitted facility or if compliance with the permit does not result in adequate control of pollutants to the MS4, City staff will contact DEQ to report the issue. If an illicit discharge is discovered during a facility inspection, the City will take enforcement action to resolve the problems leading to non-compliance.

H.2 Best Management Practices

Table H-1 includes a brief description of the Program to Monitor and Control Pollutants in Storm Water Discharges to Municipal Systems best management practices required by the MS4 permit, the planned actions for the current and future fiscal years as described in the SWMP, the annual reporting metrics identified in the SWMP, and the actual metrics for actions completed during this reporting year.

Table H-1: Program to Monitor and Control Pollutants in Storm Water Discharges to Municipal Systems Metrics and Results

Permit Reference/BMP	FY2025	FY2026	Reporting Metric(s)	2024-2025 Results
Part II Section H.2 (a) Maintain an inventory of industrial facilities	Review at least once per permit cycle the industrial facility inventory and update, as needed. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Review at least once per permit cycle the industrial facility inventory and update, as needed. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Report number of industrial facilities identified within the City's corporate limits	75
Part II Section H.2 (b) Inspection program	Review annually the Industrial Facility Inspection Program Plan and update inspection guidance and checklists, if necessary.	Review annually the Industrial Facility Inspection Program Plan and update inspection guidance and checklists, if necessary.	Report number of facility inspections conducted	88
	Review inspections results and identify program priorities, as needed.	Review inspections results and identify program priorities, if necessary.	Identify program priorities	City-owned permitted facilities – inspected annually;



		Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.		Privately-owned permitted facilities - inspected at least once every three years; No-exposure sites – inspected at least once every permit cycle; Unpermitted facilities engaged in industrial activities found to have been in violation of the Illicit Discharge Ordinance - inspected at least once per permit cycle; Unpermitted hazardous waste treatment, disposal and recovery facilities, and/or industrial facilities subject to Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) facilities -inspected at least once per permit cycle;
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				Facilities within TMDL watersheds - inspected at least once annually in addition to regular frequency.
Part II Section H.2 (c) Evaluate industrial facilities discharging stormwater to the City's MS4	Conduct inspection activities based on established procedures documented in City guidance and checklists.	Conduct inspection activities based on established procedures documented in City guidance and checklists.	Report number of deficiencies identified and forwarded to DEQ	17
	Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Report number of illicit discharges identified at industrial facilities	1

H.3 Program Assessment

Staff continued to effectively meet all permit requirements of the Program to Monitor and Control Pollutants in Storm Water Discharges to Municipal Systems. Nearly all industrial sites located within the City's jurisdiction were evaluated by staff with at least one site visit during this reporting period. Each site visit was documented with an inspection report and representative photos. NCDEQ was notified of any potential permit violations. Annual review and update of processes, forms and program effectiveness was officially conducted in May 2025, and changes were annotated in each respective program document. A self-audit was completed in June 2025 and identified minor adjustments to facility identification and frequency of inspections for non-permitted facilities. The audit did not find any gaps in overall compliance. Program enhancements during this reporting year included the creation of a facility inspection checklist to be implemented in 2025-2026, and adjustments to the no-exposure inspection form to a more robust informal inspection form that will also be applied to all unpermitted facilities. No substantial changes are scheduled to be implemented to this program prior to issuance of a new permit.

Section I: Water Quality Assessment and Monitoring

I.1 Program Narrative

The City has developed and implemented a Water Quality Assessment and Monitoring Plan that identifies monitoring locations, a monitoring schedule, monitoring parameters, sample data analysis, and data evaluation and assessment.



I.2 Best Management Practices

Table I-1 includes a brief description of the Water Quality Assessment and Monitoring best management practices required by the MS4 permit, the planned actions for the current and future fiscal years as described in the SWMP, the annual reporting metrics identified in the SWMP, and the actual metrics for actions completed during this reporting year.

Table I-1: Water Quality Assessment and Monitoring Metrics and Results

Permit Reference/BMP	FY2025	FY2026	Reporting Metric(s)	2024-2025 Results
Part II Section I.2 (a) Water Quality Assessment and Monitoring Plan	Review annually the Water Quality Assessment and Monitoring Plan and update, as needed. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Review annually the Water Quality Assessment and Monitoring Plan and update as needed. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Report updates and revisions to the Water Quality Assessment and Monitoring Plan and the date submitted to DEQ, if applicable	Updated the sampling month from March to April to align with our new laboratory partnership and revised the methods and reporting limits accordingly. Submitted updated plan to NCDEQ on 6/12/25.
Part II Section I.2 (b) Water quality monitoring	Conduct water quality monitoring and data evaluation as documented in the Water Quality Assessment and Monitoring Plan.	Conduct water quality monitoring and data evaluation, as documented in the Water Quality Assessment and Monitoring Plan.	Report number of stream sites monitored	18
	Provide the current Water Quality Assessment and Monitoring Plan to DEQ, if revised.	Provide the current Water Quality Assessment and Monitoring Plan to DEQ, if revised.	Report number of samples collected	936
	Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Report parameters analyzed	Total suspended solids, ammonia, total Kjeldahl nitrogen, nitrate/nitrite, total nitrogen (sum of TKN and NO3/NO2, not collected in the field), calcium, copper, magnesium, total phosphorus,



Permit Reference/BMP	FY2025	FY2026	Reporting Metric(s)	2024-2025 Results
				zinc, total hardness, turbidity, E. coli

I.3: Program Assessment

The Water Quality Assessment and Monitoring program continues to fulfill permit requirements and identify opportunities for enhancement. Staff reviewed and updated the Assessment and Monitoring Plan on May 27, 2025 and submitted the updated plan to NCDEQ in June 2025. Updates included changing a quarterly sampling timeframe from March to April to align with a new laboratory partnership with Raleigh Water, as well as revisions to methods and reporting limits. During an internal self-audit in June 2025, program elements were further evaluated, and no compliance gaps were found. Staff conducted ambient water quality sampling at Raleigh's eighteen long-term monitoring stations following the schedule outlined in the Plan. A total of 936 samples were collected, which included four quarterly sampling events. With the new laboratory partnership, staff expect the number of sampling events and samples analyzed to remain consistent in the future (note that the count of samples this year is lower because duplicates are not included in this total). Additionally, staff researched data management systems to enhance water quality monitoring data management, analysis, and visualization and will implement a new data management system in the next permit cycle.

While Crabtree Creek and Little Brier Creek have previously reported higher turbidity values when compared with other stations; during last reporting year (2023-2024) no samples exceeded North Carolina's surface water quality standard for turbidity (50 NTU). This reporting year, two samples collected from Little Brier Creek exceeded 50 NTU. No other turbidity exceedances were reported. When evaluating Little Brier Creek for long-term patterns in turbidity (monitoring data from the last 5 years), neither a statistically significant increasing nor decreasing trend was detected. Soil erosion can be a major contributor of turbidity and phosphorus to streams, and data from the City's monitoring stations in Crabtree Creek and Little Brier Creek continue to indicate higher concentrations of total phosphorus (TP) relative to other monitoring stations. The City is currently partnering on a multi-year City-wide study with the US Geological Survey (USGS) to assess streambank condition and model streambank erosion to help identify opportunities for streambank repair and restoration as part of its capital improvement program.

All pH values for this and last reporting period fell within the acceptable range of 6.0 – 9.0 per the NC surface water quality standard. The following monitoring sites displayed an upward trend in pH values when staff evaluated data over five years for statistically significant trends: Big Branch South, Crabtree Creek, Little Brier Creek, Mine Creek, Marsh Creek, Perry Creek, Rocky Branch, Richland Creek, Sycamore Creek, and Walnut Creek.

All dissolved oxygen values from City monitoring sites were higher than the NC minimum standard of 4.0 mg/L.

North Carolina does not currently have a regulatory standard, stream standard, or health advisory standard for E. coli, which the City collects and analyzes per its approved plan. North Carolina has a fecal coliform stream standard which requires multiple fecal coliform sampling events to determine a waterbody's water quality over an extended period of time (e.g., month). The City's Pigeon House Branch has an assigned TMDL for fecal coliform bacteria. During last reporting period, the City was poised to partner with USGS on a proposal to assess fecal bacteria in Pigeon House Branch and Walnut Creek watersheds. However, due to recent impacts at the federal level to funding, staffing, and implementation timeframes, the City was unable to execute a contract with USGS to pursue the study. The City continues to tailor strategies and best practices to address pollutants of concern through its TMDL implementation plans, including increased permit compliance activities and above and beyond efforts such as conducting watershed studies.



Watershed studies are currently underway in Pigeon House Branch and Rocky Branch watersheds. These studies involve targeted public education initiatives, stream condition assessments through organized stream walks, water quality modeling, and identification of potential capital investments in green stormwater infrastructure and stream restoration. Both watersheds are urbanized, with approximately 50% and 45% impervious land cover in Pigeon House Branch and Rocky Branch watersheds, respectively. Urbanization with significant impervious surface land cover results in higher volumes of stormwater runoff carrying pollutants, including nitrogen from pet waste, fertilizer, atmospheric deposition, yard waste, and more. Staff assessment of data has determined that Pigeon House Branch and Rocky Branch consistently have the highest total nitrogen (TN) values among the sixteen monitoring stations (TN is calculated by staff summing analyzed nitrogen species, including total Kjeldahl nitrogen (TKN), nitrite (NO_2^-), and nitrate (NO_3^-), rather than being analyzed in a lab). This finding aligns with staff assessments from the 2023-2024 reporting period. All monitoring stations are located within the Neuse River Basin which is subject to the Neuse River Rules aimed at reducing TN levels.

Section J: Total Maximum Daily Loads

J.1 Program Narrative

The following TMDLs within Raleigh's MS4 service area (corporate limits of the City of Raleigh) are noted in Section 2.5 and Table 2 of the SWMP:

- Falls Lake
- Neuse River Estuary
- Pigeon House Branch
- Perry Creek

The Falls Lake and Neuse River Estuary are managed through 4B Management Plans approved by the EPA and overseen by the North Carolina Department of Environmental Quality (NCDEQ). The City is addressing the requirements of the 4B Management Plan through its implementation of the Nutrient Sensitive Waters Management Strategy and City ordinances adopted as required by State of North Carolina Neuse Nutrient Strategy Rules.

The EPA has assigned TMDLs to Pigeon House Branch for impairment of copper and fecal coliform, and to Perry Creek for impairment of biological integrity. The City of Raleigh has not been assigned a specific numerical Waste Load Allocations (WLA) for these respective pollutants of concern. Per Part II.J.4, the City has developed TMDL Implementation Plans for both watersheds to document strategies that tailor or expand BMPs to address the pollutants of concern.



J.2 Best Management Practices

Table J-1 includes a brief description of the best management practices required by the MS4 permit, the planned actions for the current and future fiscal years as described in the SWMP, the annual reporting metrics identified in the SWMP, and the actual metrics for actions completed during this reporting year.

Table J-1: TMDL Metrics and Results

Permit Reference/BMP	FY2025	FY2026	Reporting Metric(s)	2024-2025 Results
Part II Section J.3 (a) Identify, describe, and map watershed, outfalls, and streams	Continue to monitor TMDL development. If a TMDL is developed that assigns an individual numeric WLA to the City, evaluate strategies and tailor SWMP BMPs to address the pollutants of concern and associated TMDLs and develop a TMDL Plan.	Continue to monitor TMDL development. If a TMDL is developed that assigns an individual numeric WLA to the City MS4, evaluate strategies and tailor SWMP BMPs to address the pollutants of concern and associated TMDLs and develop a TMDL Plan.	Report TMDLs with WLAs within the MS4	N/A
			Report changes in outfall inventory that may be contributing to impairment of identified streams	N/A
Part II Section J.3 (b) Evaluate existing measures	Continue to monitor TMDL development. If a TMDL is developed that assigns an individual numeric WLA to the City, establish measures for identifying and reducing pollutants of concern to the MEP.	Continue to monitor TMDL development. If a TMDL is developed that assigns an individual numeric WLA to the City MS4, establish measures for identifying and reducing pollutants of concern to the MEP.	N/A, Report pollutants of concern and measures taken for reduction	N/A



Permit Reference/BMP	FY2025	FY2026	Reporting Metric(s)	2024-2025 Results
Part II Section J.3 (c) Assessment of available monitoring data	Continue to monitor TMDL development. If a TMDL is developed that assigns an individual numeric WLA to the City, review and assess monitoring data.	Continue to monitor TMDL development. If a TMDL is developed that assigns an individual numeric WLA to the City MS4, review and assess monitoring data.	N/A, Report monitoring data summary and data trends	N/A
Part II Section J.3 (d) Monitoring Plan	Continue to monitor TMDL development. If a TMDL is developed that assigns an individual numeric WLA to the City, develop TMDL monitoring plan for applicable assigned NPDES regulated WLA.	Continue to monitor TMDL development. If a TMDL is developed that assigns an individual numeric WLA to the City MS4, develop TMDL monitoring plan for applicable assigned NPDES regulated WLA.	N/A, Report updates to monitoring plan	N/A



Permit Reference/BMP	FY2025	FY2026	Reporting Metric(s)	2024-2025 Results
Part II Section J.3 (e) Additional Measures	Continue to monitor TMDL development. If a TMDL is developed that assigns an individual numeric WLA to the City, establish programs and measures to be implemented within the City's MS4 permit program that are designed to achieve the assigned MS4 NPDES regulated WLA and to reduce the TMDL pollutant of concern to the MEP within the watershed to which the TMDL applies.	Continue to monitor TMDL development. If a TMDL is developed that assigns an individual numeric WLA to the City MS4, establish programs and measures to be implemented within the City's MS4 permit program that are designed to achieve the assigned MS4 NPDES regulated WLA and to reduce the TMDL pollutant of concern to the MEP within the watershed to which the TMDL applies.	N/A, Report additional measures taken	N/A
Part II Section J.3 (f) Implementation Plan	Continue to monitor TMDL development. If a TMDL is developed that assigns an individual numeric WLA to the City, establish a schedule to address the NPDES WLA pollutant of concerns	Continue to monitor TMDL development. If a TMDL is developed that assigns an individual numeric WLA to the City MS4, establish a schedule to address the NPDES WLA pollutant of concerns	N/A, Report achievement of schedule milestones	N/A



Permit Reference/BMP	FY2025	FY2026	Reporting Metric(s)	2024-2025 Results
Part II Section J.3 (g) Incremental Success	Continue to monitor TMDL development. If a TMDL is developed that assigns an individual numeric WLA to the City, track successes per the plan. Review and update as needed	Continue to monitor TMDL development. If a TMDL is developed that assigns an individual numeric WLA to the City MS4, track successes per the plan. Review and update as needed	N/A, Report successes	N/A
Part II Section J.3 (h) Reporting	Continue to monitor TMDL development. If a TMDL is developed that assigns an individual numeric WLA to the City, prepare an assessment of activities and data analysis for the TMDL watershed plan	Continue to monitor TMDL development. If a TMDL is developed that assigns an individual numeric WLA to the City MS4, prepare an assessment of activities and data analysis for the TMDL watershed plan	N/A, Report annual assessment outcomes	N/A
Part II Section J.4. If no MS4 NPDES regulated waste load allocation (WLA) is specified in the TMDL	Develop Watershed Action Plans for Pigeon House Branch and Perry Creek that include strategies and tailor BMPs to address the	Complete development of Watershed Action Plans for Pigeon House Branch and Perry Creek that include strategies	Report the development/maintenance of the Watershed Action Plans and modifications, if necessary	TMDL plans for Pigeon House Branch and Perry Creek watershed were reviewed and updated September 2025



Permit Reference/BMP	FY2025	FY2026	Reporting Metric(s)	2024-2025 Results
	POC in the watersheds. Implement the Watershed Action Plans. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	and tailor BMPs to address the POC in the watersheds. Implement the Watershed Action Plans. Coordinate with the Department of Water Resources to integrate the Pigeon House Branch and Perry Creek Watershed Action Plans into the DEQ StoryMap format, as staff and resources are available within DEQ. Evaluate the program effectiveness annually and notify the Water Quality Manager of program modifications.	Report BMPs implemented	Implemented strategies and tailored BMPs that are detailed in each respective TMDL Implementation Plan. These plans are available upon request. City staff corresponded with NCDEQ DWR staff and determined that integrating the TMDL plans into StoryMap format is not a requirement nor high priority for either the City or NCDEQ at this time. As such, the City no longer intends to pursue this effort and will update the SWMP over the coming year.

J.3 Program Assessment

Staff continue to effectively meet all Total Maximum Daily Load (TMDL) permit requirements. The City has developed TMDL Implementation plans for Pigeon House Branch and Perry Creek that document the evaluation of strategies to tailor and expand BMPs within the scope of the six MCMs. Implementation of the strategies began in October 2024.

During FY24 and FY25, the original TMDL Implementation Plans were completed with the intent of partnering with NCDEQ to create a Watershed Action Plan (WAP) as an alternative method to address the TMDLs in Perry Creek and Pigeon House Branch. After discussions with NCDEQ staff, this approach was modified during this reporting year, and the City is no longer pursuing development of WAPs for each



watershed. The City will instead focus on the implementation of strategies that tailor or expand the MCMs identified in each watershed-specific TMDL Implementation Plan due to no specific WLA value having been assigned to the City.

Implementation and tracking of strategies and tailored BMPs occurred during the reporting year. These strategies included additional informal inspections at industrial facilities, development of websites and education and outreach material specific to TMDL watersheds, and modification of the Dry Weather Flow inspection program to focus on priority areas in TMDL watersheds. Metrics can be provided upon request.

In September 2025, staff completed an annual program review including an evaluation of program effectiveness and form updates. The evaluation resulted in text changes within each TMDL Implementation Plan to include the specific strategies tailored or expanded BMPs within the scope of the MCMs, as well as additional measures beyond MCM compliance. The City's intent to no longer develop WAPs in collaboration with NC DEQ was also addressed in both plans. No substantial changes are planned for this program prior to issuance of a new permit.



Section K: Annual Assessment and Annual Summary

This section assesses overall compliance with the permit during the 2024-2025 reporting period and documents identified program improvements that will be implemented in 2025-2026, including potential changes to the SWMP as may be required by issuance of the new permit.

K.1 Assessment

During the 2024-2025 reporting period, City staff continued to comply with the City's NPDES MS4 permit, as well as developing new enhancements to program components. Staff completed a self-audit in June 2025 utilizing the NCDEQ Self-Audit template. Staff augmented the NCDEQ template with a new section to allow for a review of the TMDL program. Additionally, staff generated a self-audit report and an executive summary for review by City management and staff. During this exercise, staff reviewed all programs, conducted eight site visits, and documented that the City is meeting and/or exceeding all permit requirements. The annual program assessment was completed as part of the annual report, which included the review of annual metrics and the identification of opportunities for continuous improvement throughout each specific program. Specific findings from completed assessments have been summarized at the end of each section in this report.

K.2 Program Improvements

Following the June 2025 self-audit, the SWMP was reviewed, and minor updates made to the tabular schedules to ensure continuance and completion of annual tasks. Significant changes to program strategies and reporting metrics were not necessary; changes are anticipated upon issuance of the new permit. The updated SWMP serves as an effective mechanism to track all required activities and related metrics throughout the permit year. The updated SWMP was signed by the Stormwater Program Manager in July 2025 and the changes made did not necessitate submittal to NCDEQ. The current version of the City's SWMP is posted on our Stormwater [website](#).

A concise summary of achievements and assessment of data for each MCM, as required by the SWMP, is outlined in each section of the annual report. These summaries describe and assess staff effort, program effectiveness, and changes and improvements implemented during the reporting period. Generally, program metrics were comparable to previous reporting years, with several program enhancements individually highlighted in respective MCM summaries.

Notable improvements from this last year have included increased school outreach and education, increased public participation in Adopt-a-Stream and storm drain marking programs, execution of a contract with an on-call contractor to assist with illicit discharge remediation, an increase in active construction inspections, targeted public outreach events to inform the public about the Stormwater Design Manual updates, the development of several maintenance action plans for City-owned SCMs, coordination with NCDEQ staff to address compliance concerns at several industrial facilities, an update to the Water Quality Assessment and Monitoring Plan, implementation of tailored strategies in the City's TMDL watersheds, and the funding of four (4) FTEs within Department of Parks, Recreation and Cultural Resources to assist with maintenance of both jurisdictional and voluntary SCM maintenance.

The City completed annual review and maintenance of all legal authorities to effectively meet permit requirements. The implementation of the Stormwater Design Manual update was a significant milestone for the City during the last reporting year. The revisions resulted in subsequent updates to Raleigh's Uniform Development Ordinance (UDO). These changes were applicable for development plans submitted after November 2, 2024. Enforcement actions by staff within the Illicit Discharge Detection and



Elimination, Construction Site Runoff Controls, and Post-Construction Site Runoff Controls programs have been adequate to achieve compliance with regulations outlined by the permit, UDO, and municipal code.

K.3 2025-2026 Program Initiatives

This next reporting year will bring changes to the City of Raleigh Stormwater Program. Issuance of a new MS4 permit by NCDEQ is pending with a proposed effective date of July 1, 2026. A revised SWMP will be required to be submitted to NCDEQ for review within 12 months of permit issuance. Upon approval of the SWMP, program plans across the MCMs will be updated to correspond with the new permit language. Stormwater staff have engaged with a consulting firm to complete these pending tasks within the compliance schedule. The City will also continue to engage other MS4 communities within North Carolina to share resources and further develop strategies to improve management of stormwater in the City of Raleigh.