



WASTEWATER PERFORMANCE REPORT



JULY 1, 2025 - JUNE 30, 2026

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4222 Westmont Drive Charlotte, NC 28217

I. General Information

Name of Regulated Entity and Responsible Person

City of Charlotte
Angela Charles, Director
Charlotte Water
Administration Division
4222 Westmont Drive
Charlotte, NC 28217
704-336-4407

Applicable Permits

There are six water resource recovery facilities (WRRF) owned and operated by Charlotte Water. Below is a list of these facilities and their applicable NPDES (National Pollutant Discharge Elimination System) permit number. Included with the list of facilities is the name of the Operator in Responsible Charge (ORC) at the facilities and the site telephone numbers.

WWTP	NPDES Permit Number	ORC	Phone
Irwin Creek WRRF	NC0024945	Jacob Bolick	704-336-2572
Mallard Creek WRRF	NC0030210	Henry Eudy	704-336-1024
McAlpine Creek WWMF	NC0024970	Reid Smith	704-542-0736
McDowell Creek WRRF	NC0036277	Dan Matias	704-336-1125
Sugar Creek WRRF	NC0024937	Donna Slachciak	704-432-2510
Ashe Plantation WWTP	NC0065749	Jeremy Nance	704-634-3389

WW COLLECTION	NCDWQ Permit Number	ORC	Phone
4100 W. Tyvola Rd.	WQCS00001	Matthew Morris	704-301-7827
		Malcom Edwards (backup)	704-649-5098

Description of the collection and treatment systems

Charlotte Water (Charlotte Water) collects wastewater from approximately 299,991 households and businesses throughout the county. Wastewater is collected and directed (via gravity flow supported by sewage lift stations) to one of six Charlotte Water water resource recovery facilities or the Rocky River Regional Plant (owned and operated by the Water and Sewer Authority of Cabarrus County [WSACC]) where it is treated. An average of 84.2 million gallons of wastewater is treated and discharged each day from Charlotte Water plants. Charlotte Water sends an average of 4.71 million gallons per day (MGD) of

wastewater to the Rocky River Regional Wastewater Treatment Plant (WWTP) operated by WSACC. Roughly 2.31 MGD of wastewater from Union County is treated at McAlpine Creek WWMF, roughly 5.6% of its 41.3 MGD annual average daily flow (AADF) treatment volume.

More than 370 of Charlotte Water's 1,181 employees work to maintain 4,695 miles of collection pipelines and 79 wastewater lift stations throughout the county. The gravity wastewater pipes in this system range in size from 8 inches in diameter to 78 inches in diameter.

Each of Charlotte Water's water resource recovery facilities applies primary, secondary, and tertiary treatment to the waste stream. Large solid particles and inorganic materials are removed by screening and settling. The wastewater is treated biologically to remove dissolved pollutants. The waste stream passes through tertiary treatment filters to remove very small particles that may not have been removed through the settling process. Finally, disinfection reduces bacterial and pathogenic materials. The treated water is released to the nearby creek.

The Wastewater Treatment Process

1. Preliminary/Primary Treatment

Solid particles & objects are captured by screens, grit chambers, and primary clarifiers.

2. Aeration/Secondary Treatment

Wastewater is aerated to support growth of microorganisms that remove harmful pollutants. Nutrient levels are reduced at McDowell and McAlpine Creek water resource recovery facilities.

3. Clarification

Solids and microorganisms settle out in large basins.

4. Tertiary Treatment

Wastewater flows through filters to remove fine particles.

5. Disinfection

Water is disinfected to remove any remaining pathogens, and then the treated water is released into creeks.

II. Summary of System Performance

Fiscal Year 2026 Performance

Sanitary Sewer Overflows (SSOs) From Fiscal Year 2010 to Fiscal Year 2026

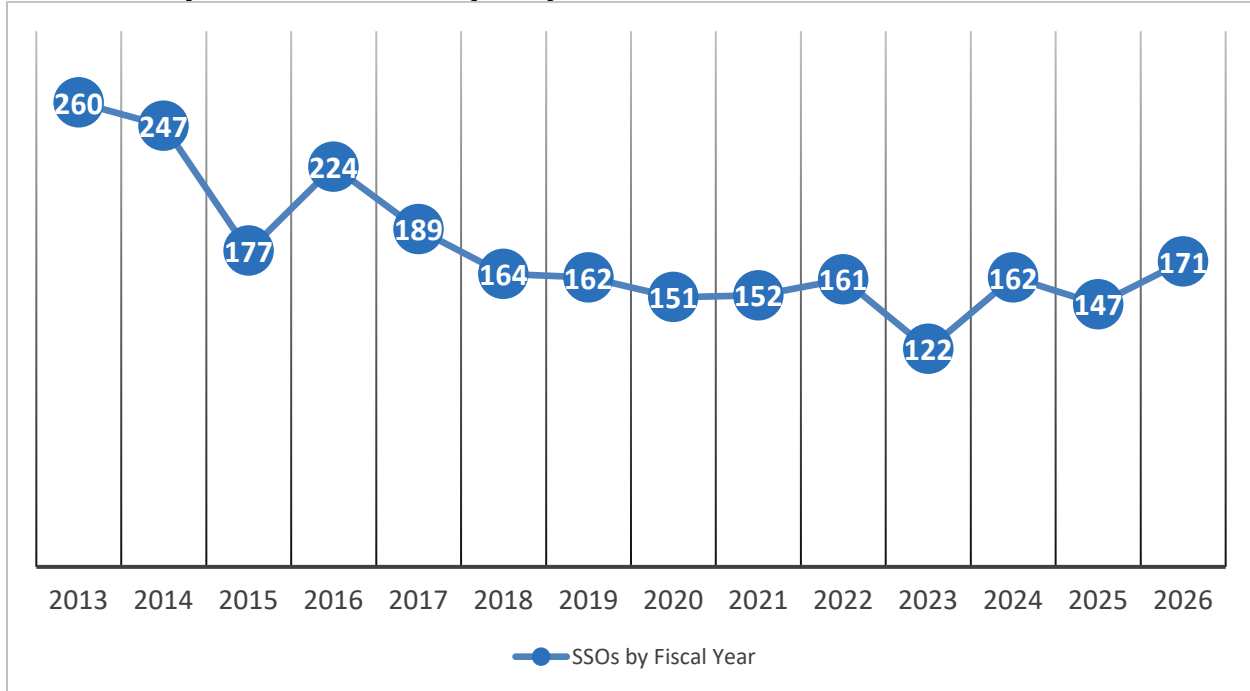


Figure 1. This graph shows a decline in overflows from 260 SSOs in Fiscal Year 2013 to 171 in Fiscal Year 2026.

Yearly SSOs vs 5-Year Moving Average

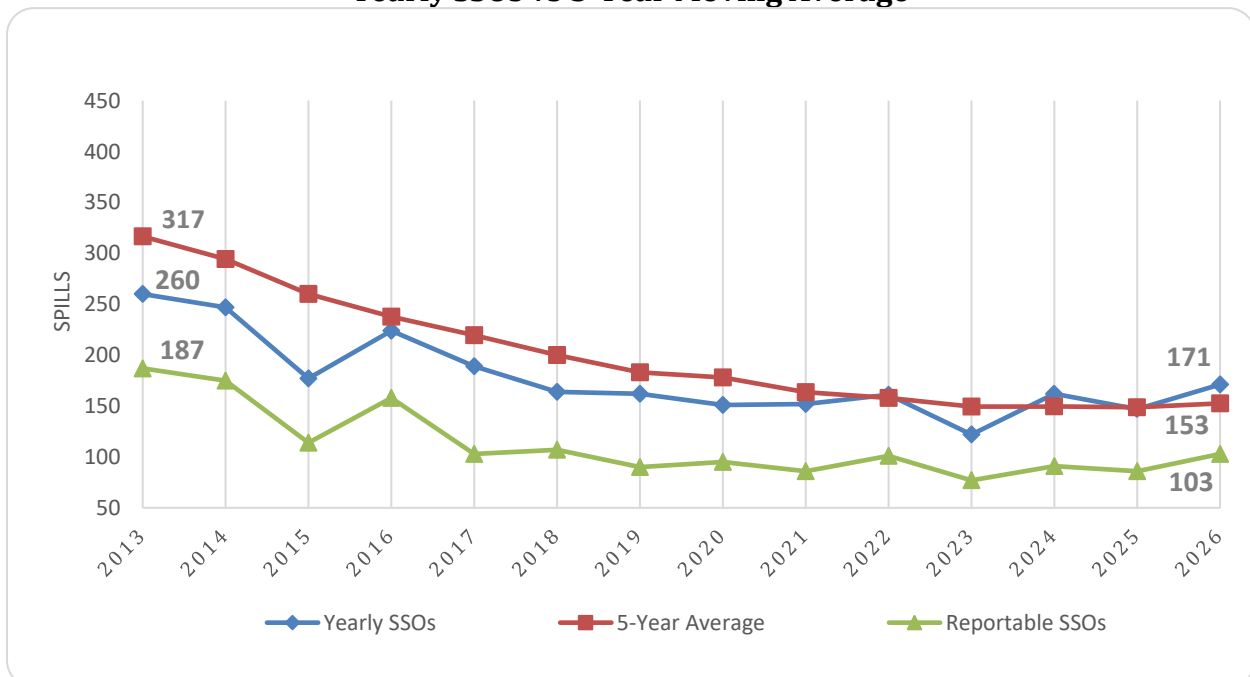


Figure 2. A line graph shows the number of spills, reportable spills, and the five-year moving average dropping over time.

The number of spills per 100 miles of pipe continued to decline in general from 6.2 in fiscal year 2013 to 3.6 spills (2.19 reportable spills) in fiscal year 2026, as illustrated by the table below.

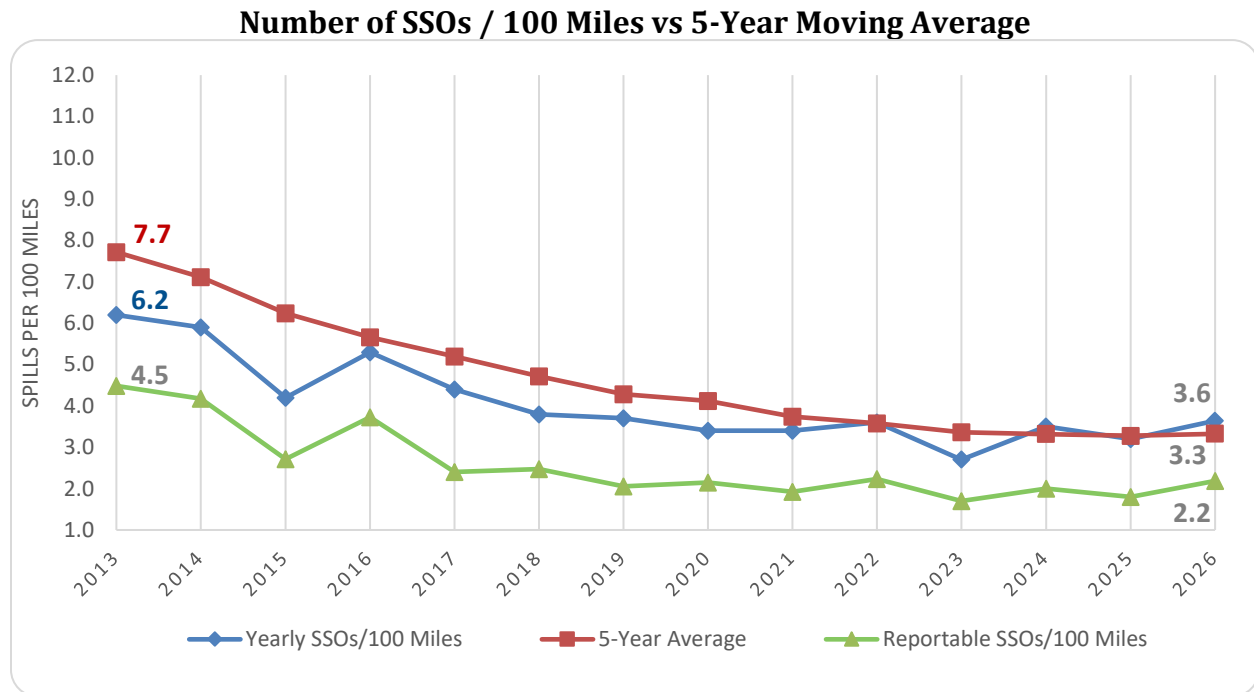


Figure 3. Charlotte Water continues to reduce overflows from a moving average of 7.7 in Fiscal Year 2013 to 3.3 in Fiscal Year 2026.

Inspection crews and our customers find overflows. Overflows from the wastewater collection system are discovered during routine inspections of the system and through reports from the public to our 311 Customer Service Call Center. Charlotte Water notifies the media anytime a sanitary sewer overflow results in 1,000 gallons or more reaching surface waters or any overflow reaching recreational waters. Customers are notified via calls, texts, and/or emails, and posts on Nextdoor social media. A legal notice is posted in the Charlotte Observer when overflows of 15,000 gallons or more reach surface waters.

This annual report includes all incidents where wastewater escaped out of a public manhole or public collection system pipe before reaching proper treatment, including spills less than the required reporting thresholds (i.e., less than 1,000 gallons). There were 103 reportable spills during fiscal year 2026. All spill response protocols are followed regardless of the spill volume or reporting status. The report summarizes spills (both reportable and non-reportable) and other challenges in the sanitary sewer system and water resource recovery facilities.

Charlotte Water employees work 24 hours a day to prevent and respond to overflows. Crews prevent overflows by proactively clearing pipes of tree roots, wipes, and grease and replacing, repairing, or rehabilitating broken and aging pipes. Charlotte Water has

increased its efforts to educate customers about properly disposing of fats, oils, and grease (FOG).

Performance Highlights

Charlotte Water celebrated some important milestones in fiscal year 2026 while taking numerous actions to prevent overflows and protect water quality through effective wastewater treatment.

- All six water resource recovery facilities earned Peak Performance Awards from the National Association of Clean Water Agencies (NACWA) for the calendar year ending 2025. NACWA Peak Performance Awards recognize wastewater treatment professionals nationwide for protecting the environment and public health through outstanding treatment and regulatory compliance.
 - McAlpine Creek Wastewater Management Facility was awarded its 14th Platinum Award for 18 consecutive years of perfect compliance. (Five years of perfect compliance are needed to achieve the Platinum award.)
 - McDowell Creek Water Resource Recovery Facility earned their ninth consecutive Platinum Award for 13 consecutive years of perfect compliance.
 - Mallard Creek Water Resource Recovery Facility earned their sixth Platinum Award for 10 years of perfect compliance.
 - Irwin Creek Water Resource Recovery Facility earned their second Platinum Award for six consecutive years of perfect compliance.
 - Ashe Plantation earned their third Platinum Award for seven consecutive years of perfect compliance.
 - Sugar Creek Water Resource Recovery Facility earned their second Gold Award for two years of perfect compliance.
 - 6,395 compliance judgment points were met during the 2025 calendar year.
- 1.2 miles of wastewater pipe and 19 manholes were rehabilitated or replaced.
- 321 miles of wastewater pipe were treated with root control chemicals.
- 731 miles of wastewater lines were cleaned (including some multiple cleanings in the same location) by Charlotte Water Field Operations Staff and contractors.
- 131.84 miles of rights of way were cleared by contractors to maintain access to off-street sanitary wastewater pipes and to help prevent root intrusions.
- 117 miles of pipe were closed-circuit television recorded (CCTV) for inspection by Charlotte Water staff and contractors.
- There are 79 Wastewater Lift Stations serving the Charlotte Water service area. Staff performed 150 preventive maintenance/electrical tasks for a total of 3,577 work hours. This does not include daily/weekly station checks, wet well cleaning, emergency generator testing, or emergency/routine repairs. Mt. Holly, Moore's Chapel #1, and River District #2 were added this year.
- McAlpine Creek Wastewater Management Facility captures and converts methane gas (a byproduct of wastewater treatment) into fuel for electricity production and useful heat. In the past 12 months, the Combined Heat & Power (CHP) system engine has generated more than 4.20 million kilowatt-hours of energy. Since it started operating,

the CHP has generated more than 47.3 million kilowatt-hours of clean energy, approaching \$2.12 million in gross revenue for the City. Methane gas is also generated at Irwin, McDowell, and Mallard WRRFs. There, methane is used to generate the heat required for anaerobic digestion to treat the solids produced during treatment.

Capital Investment Highlights

Projects in Progress in Fiscal Year 2026

- The Stowe Regional Water Resource Recovery Facility is an example of Charlotte Water's commitment to meet the growing wastewater needs of a fast-expanding region. The facility will serve the northwestern Mecklenburg County and eastern Gaston County (Mount Holly and Belmont). The first phase of the Stowe Regional Water Resource Recovery Facility (WRRF) construction is well underway and has reached approximately 85% completion.
- The Mallard Creek Water Resource Recovery Facility capacity improvement project is at 85% completion. This project increases the plant capacity from 13.1 MGD to 16 MGD.
- The Mallard Creek Pipe Improvement Project started construction. Tunneling has started near North Tryon and Pavilion Blvd. Tunneling will take approximately 6-8 months, and the project is expected to be completed by the end of 2028.
- Construction for McAlpine Creek Wastewater Management Facility's Nutrient Harvesting started in September 2025. Construction is ongoing and on schedule. Final project completion is scheduled for October 2027.
- Derita Branch Tributary Wastewater Project Phase 2 is partially complete. A small section (Craighead Road to Interstate-85) will begin in fiscal year 2027. The combination of Phase 1 and Phase 2 projects is a \$17.5+ million investment to upsize pipe to accommodate current and future capacity.



Fats, Oils and Grease Education Highlights

- Charlotte Water started a fats, oils and grease reduction effort during the late 1990s to educate customers about food-related clogs that lead to sanitary sewer overflows. In 2017, Charlotte Water rebranded to FlowFree to focus on other overflow contributors now that grease-related spills continue to decline.
- In FY 2026, Charlotte Water staff inspected grease-handling facilities at 4,033 food service establishments and restaurants (not including follow-up inspections) to ensure proper grease disposal. BMP posters were distributed to the facilities to post. (2,344 posters distributed)

- Staff issued 44 Notices of Deficiency (NOD) of which 44 returned to compliance.
- Inspectors mailed information to 2,742 customers near spill sites and handed out information after spill events to 2,162 customers in apartments/multi-family complexes.
- Staff conducted 4 outreach educational presentations to more than 1,831 children and adults.
- Staff continues to provide bilingual door hangers and promotional items for property managers to give to new residents. Educational posters (2,562 posters provided) were also provided for restaurant managers to post.
- A multi-family outreach team was created in the System Protection division in 2019 that worked closely with the Communications Team to create a multi-pronged outreach plan for multi-family units that were causing blockages or SSOs in the system. The plan included targeted door hangers, pop-up events, meetings with facilities staff and residents, educational materials and if necessary, enforcement techniques. For fiscal year 2026, the Multi-Family Team conducted 370 inspections and delivered 6627 door hangers at multi-family units across Mecklenburg County.

Industrial Pretreatment Highlights

The Charlotte Water System Protection Division operates within Charlotte Water's service area to enforce federal, state, and local regulations pertaining to discharges to the sanitary sewer. This includes protecting workers and treatment processes from pollutants harmful to people or the environment. The Division includes the Industrial Pretreatment Program, the Commercial Source (Flow Free) Program, and our Septage Receiving Program.

The Pretreatment Program identifies, permits, and regulates industrial users and others to keep unsuitable discharges out of the wastewater treatment plants. The Commercial Source Program, also referred to as Flow Free, inspects and regulates commercial users, such as food service establishments, to keep unsuitable discharges such as fats, oils and grease out of the collection system and wastewater treatment plants. Charlotte Water's Septage Receiving Program permits septic haulers that discharge septic waste at the McAlpine Creek Wastewater Management Facility. The septage receiving station is staffed by System Protection personnel. The receiving program includes monitoring and analysis of waste received.

While industrial and commercial compliance is extremely high, identifying sources of potentially harmful discharges is an ongoing challenge. In fiscal year 2026, the Trunkline Monitoring program continued, enabling Charlotte Water's System Protection and Water Quality staff to closely observe what industrial, institutional, and commercial customers discharge to the wastewater treatment plants, identify potential problem areas, and protect the collection system, wastewater pipe workers, treatment plants and the environment.

- There were over 250 industrial inspections and site visits in the past fiscal year. As part of the Commercial Source program, food service establishments and other

grease-producing businesses are identified and inspected on an annual basis. Compliance is also monitored using a document tracking software system.

- During fiscal year 2026 the Commercial Source program continued its outreach program specifically focused on multi-family housing properties.
- To date Charlotte Water has recorded 265 industrial permit limit violations for effluent samples collected by Significant Industrial Users (SIU) during fiscal year 2026. These violations resulted in a Notice of Violation, Notice of Non-Compliance, Administrative Order, or similar assessment.
- 39 Notices of Violation with civil penalties were assessed to users during the fiscal year for permit limit exceedances and other violations.

In November 2021, Charlotte Water began a collaborative permitting program with the local brewery community. The goal of the program is to ensure that the sanitary sewer system continues to perform properly, allowing brewers to keep producing the best beer possible. Working with the Charlotte Independent Brewers Alliance (CIBA) and representatives from five area breweries, a local brewery permit program was developed and implemented on July 1, 2022. In fiscal year 2026, over 40 inspections were conducted at local breweries and distilleries as part of this program. An award program for these permittees was put into place in fiscal year 2024. Twenty-seven (27) Certificates of Environmental Achievement were awarded to local brewers in fiscal year 2026 for compliance during calendar year 2025.

Environmental Excellence Awards

Charlotte Water honored 19 local companies with Environmental Excellence Awards in fiscal year 2026 for compliance during calendar year 2025, including:

- Three (3) Platinum recipients for at least five consecutive years of Gold level compliance and reporting,
- Ten (10) Gold recipients for 100% compliance with permit limits and reporting, and
- Six (6) Silver recipients for 90% compliance with permit limits and 100% compliance with reporting.
- One (1) awardee also received a Crown Award for Most Improved, recognizing steps taken to improve compliance with their permit.



Figure 4. Photos of Crown Award Recipients at the Environmental Excellence Awards.

Wastewater Collection Challenges

Of the 171 sewer spills that occurred, pipe failure, tree roots, grease, and debris accounted for most of the sanitary sewer overflow causes.

The largest individual spill in fiscal year 2026 was on February 10, 2026. Charlotte Water crews responded to a wastewater overflow near 6403 South Tryon Street. A pipe failure caused the overflow, and an estimated 571,164 gallons of untreated wastewater may have reached Sugar Creek in the Catawba River Watershed. Wastewater pipes that cross over creeks are inspected at least every six months. This overflow estimate reflects the volume that could have passed through the damaged pipe since the last inspection in August 2025. Charlotte Water informed customers in the immediate area via text alert and on Nextdoor.

Mainline blockages, by any cause and including those unrelated to overflows, have decreased from 157 in fiscal year 2025 to 152 in fiscal year 2026. Many of the mainline blockages were found through SmartCover sensors (see *Field Operations – Critical Assets Group* on page 11) and several were in off-street sewer lines that would have become sanitary sewer overflows if not found by staff.

Wipes, even ‘flushable’ wipes, and other rags accounted for several blockages leading to spills. These are typically categorized as “Debris in the Line,” which also includes rocks, gravel, etc. Wipes-related spills are typically in wastewater pipes serving multi-family (apartments, condos) and institutions (hospitals, nursing facilities, schools, daycares, etc.).

Fiscal Year 2026 Overflows by Primary Cause

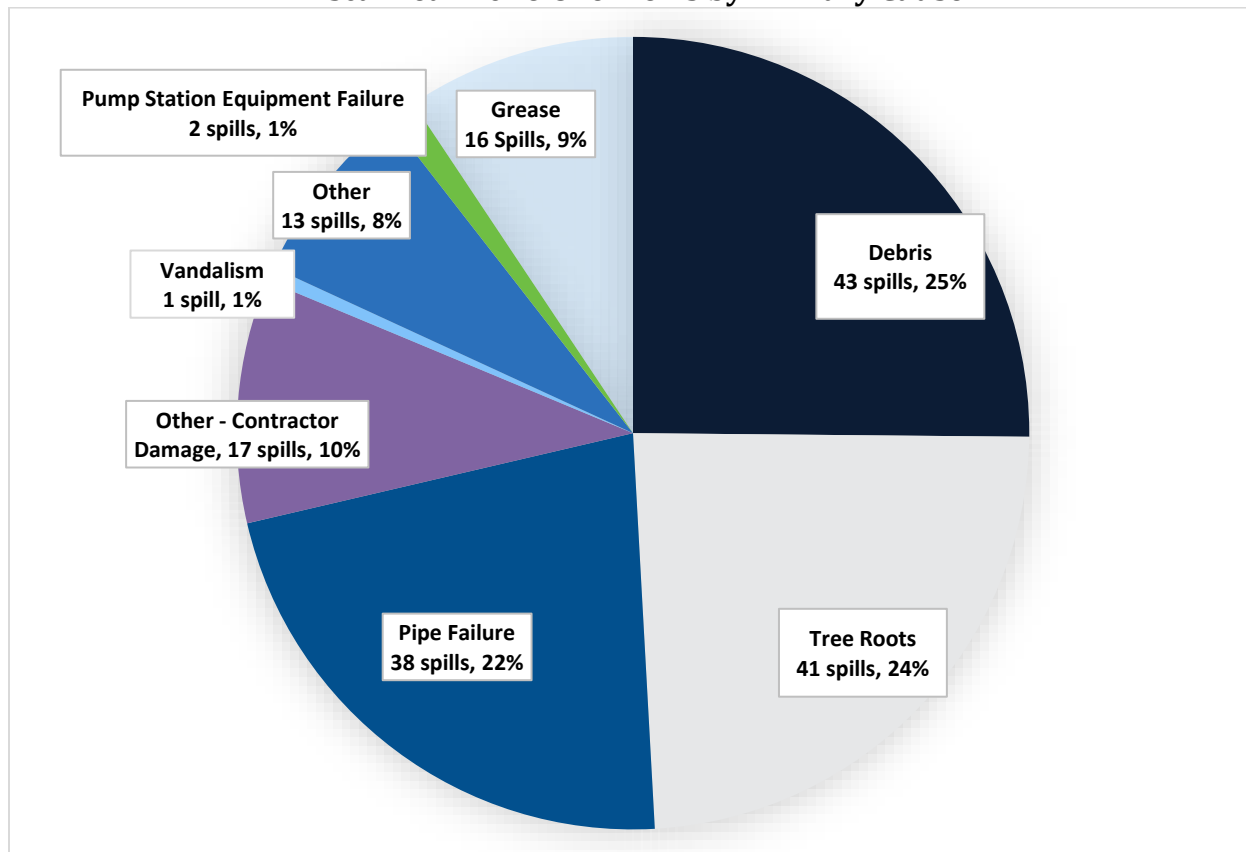


Figure 5. The leading causes of SSOs are Debris, Tree roots, and pipe failures.

Grease and other blockages that lead to sewer overflows are cleared by Charlotte Water crews using various cleaning methods, including mechanical rodders and truck-mounted water jets. If a damaged pipe is discovered during the CCTV inspection following the cleaning, a repair is initiated.

Charlotte Water Rapid Response Crews are quick to respond when notified of a possible spill. Crews responded to more than 93 percent of the spills within 60 minutes and 97 percent of the spills within 120 minutes. The average for all spill responses was 28 minutes. The state standard for response is 120 minutes or less.

Field Operations – Critical Assets Group

Regular inspections are performed by Charlotte Water's Critical Assets Group, which was established to inspect all high-priority and vulnerable wastewater pipes. The Critical Assets Group has expanded its inspection responsibilities to include additional pipes not previously identified as critical but have become critical due to stream bank erosion. Additionally, pipes installed after 2007, which were not included in an evaluation of critical infrastructure during an NCDEQ Collection Permit renewal, have been identified and added

to the inspections. As part of a collaboration effort with Mecklenburg County Storm Water Services, numerous stream bank erosion problems have been identified threatening sanitary sewer lines. A contract for stream bank restoration, which protects these sanitary lines, was established several years ago and has been renewed. Also, the Critical Assets Group maintains 478 SmartCover-level sensors strategically placed in areas at risk of spills. Forty-nine mainline blockages and 17 partial blockages were detected using the sensors. The blockages were resolved before they became spills. The cost to maintain the SmartCovers is more than \$1 million annually, significantly reducing the cost of adding additional staff and cleaning equipment.

Wastewater Treatment Challenges

Charlotte Water's water resource recovery facilities met 100% of all discharge limit tests set forth by our NPDES permits. Staff continue to improve maintenance capabilities and overall performance. Major rehabilitation and improvement projects help maintain compliance.

Charlotte Water WRRFs did not have any permit limit violations in fiscal year 2026; however, Charlotte Water did receive the following Notice of Violation (NOV) with Notice of Recommendation for Enforcement.

- In September 2025, Irwin Creek WRRF received an NOV for Unpermitted Outlet to waters of the State/Improper Operation & Maintenance due to a filtrate conveyance line blockage causing the discharge of belt filter press filtrate and washdown water into an unnamed tributary of Irwin Creek.

Wastewater Capacity Needs

Charlotte Water is in the construction phase for its sixth regional treatment facility, the Stowe Regional Water Resource Recovery Facility (WRRF). The Stowe RWRRF will start with the capacity to process up to 15 million gallons of wastewater per day. The first phase is scheduled for completion in 2027. Future Phase 2 will expand the facility's wastewater treatment capacity to be able to process 25 million gallons of wastewater per day. Phase 2 will be triggered when McAlpine Creek Wastewater Management Facility average daily flow (ADF) reaches 70% capacity. Several conveyance projects associated with the development of the Stowe Regional WRRF will change the current WWTP service area delineation. Two new pump stations will be built to allow Charlotte Water to support the region with wastewater service by conveying wastewater from the City of Mount Holly and City of Belmont in Gaston County. The pump stations will pump wastewater under the Catawba River to the Charlotte Water wastewater system. The agreements between Charlotte Water, Mount Holly, and Belmont, are interlocal agreements (ILA) for wholesale wastewater conveyance and treatment. The Mount Holly Pump Station & Force main project has been completed, and we are receiving roughly 2.19 MGD from Mount Holly.

The Wastewater System Master Plan (WWSMP) completed in December of 2022, lays the foundation for the systemwide needs for the next 30+ years. This comprehensive master

plan provides over 20 recommendations for each of the six wastewater treatment plants and the major trunks along the collection system, including lift stations and alternative scenarios.

In addition to the WWSMP, individual basin studies have been conducted over the past fiscal year. These basin studies are conducted to complement the WWSMP and address challenges at the local basin or area. In fiscal year 2026, a basin study for Four Mile Creek was completed and five other studies were initiated.

Charlotte Water's Capacity Assurance Program (CAP) was implemented on January 1, 2009. CAP helps Charlotte Water prevent sanitary sewer overflows (SSOs) that could be caused by adding too much wastewater flow from customers to an existing pipe. Developers are encouraged to apply for a CAP review during the early stages of requesting building permits or rezoning. This review process is performed at no cost to the applicant. Engineers analyze hydraulic models, past spills in the area and other field data to verify that there is adequate capacity in the pipes downstream. If no major sewer capacity limitations are found during the review, applications are generally approved in 30 days. Some reviews lead to identification of capital pipeline projects to improve the service level to our current customers as well as accommodate projected development.

III. Notification

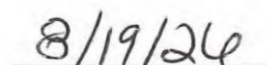
Sanitary sewer overflow and wastewater treatment plant details are included in Sections V and VI.

This report is available to the users or customers of this system by visiting <http://charlottewater.org>. Customers will receive a summary version via a bill insert in the September water bill. A news release will be issued to local media outlets. In addition, the summary version will be translated into Spanish and advertised in a regional Spanish-language newspaper during September.

IV. Certification

I certify under penalty of law that this report is complete and accurate to the best of my knowledge. I further certify that this report has been made available to the users or customers of the named system and that those users have been notified of its availability.


Angela Charles, Director
Charlotte Water


Date

V. Listing of Sewer Spills

The following is a list of spills (in gallons) from the public wastewater system that occurred between July 1, 2025 and June 30, 2026.

Date	Volume (Gallons)	Volume to Surface Water	Surface Water Name	Fish Kill?	Address	Primary Cause
7/2/2025	76	0	Irwin Creek	No	225 S Mint St	Grease
7/2/2025	348333	348333	Long Creek	No	10400 Northlake Centre Py	Pipe Failure
7/13/2025	198	150	McAlpine Creek	No	8618 Lawyers Rd	Pipe Failure
7/16/2025	915	915	Kings Branch	No	5600 Seventy Seven Center Dr	Grease
7/16/2025	89	89	Catawba River	No	12028 Avienmore Dr	Other - Contractor Construction Damage
7/19/2025	128	100	Clarke Creek	No	1005 Brookline Dr, Huntersville	Debris In Line
7/21/2025	780	780	Torrence Branch	No	13113 Lakemore Dr	Other
8/4/2025	180	0	Stewart Creek (Irwin)	No	1661 Montana Dr	Pipe Failure
8/7/2025	1030	1030	Sugar Creek	No	1938 Choyce Circle	Pipe Failure
8/12/2025	1494	374	Lake Wylie	No	18608 Corradale Rd	Pipe Failure
8/14/2025	510	510	Sugar Creek	No	10022 Woody Ridge Rd	Other
8/21/2025	19	0	Irwin Creek	No	3214 Cedarhurst Dr	Other - Contractor Construction Damage
8/23/2025	87	87	Lake Norman	No	18603 Harborside Dr, Cornelius	Pipe Failure
8/26/2025	1450	1450	Briar Creek	No	3708 Medallion Dr	Pipe Failure
8/27/2025	322	0	Sugar Creek	No	1750 Shopton Rd	Roots
8/28/2025	87	0	McAlpine Creek	No	10300 Lawyers Rd, Mint Hill	Roots
9/2/2025	540	540	Irvins Creek	No	4621 Quail Ridge Dr, Mint Hill	Other - Contractor Construction Damage
9/3/2025	2475	825	Steele Creek	No	14535 Carowinds Bv	Debris In Line
9/3/2025	95	50	Lake Norman	No	18000 Whispering Oaks Dr, Cornelius	Other
9/6/2025	56	0	Gar Creek	No	11936 Pump Station Rd	Other - Contractor Construction Damage

Date	Volume (Gallons)	Volume to Surface Water	Surface Water Name	Fish Kill?	Address	Primary Cause
9/9/2025	630	630	Taggart Creek (Sugar)	No	4001 Carlyle Dr	Pipe Failure
9/11/2025	1245	1245	Kings Branch	No	10706 Old Nations Ford Rd	Debris In Line
9/18/2025	142	100	Stewart Creek (Irwin)	No	3936 Corporation Cr	Debris In Line
9/19/2025	168	0	Taggart Creek (Sugar)	No	4809 Wilkinson Bv	Debris In Line
9/22/2025	820	820	Four Mile Creek	Yes	501 Sadie Dr, Matthews	Roots
9/24/2025	750	375	Taggart Creek (Sugar)	No	5040 Meadow Oak Commerce Py	Other
9/25/2025	164	0	McDowell Creek	No	20036 Zion Av, Cornelius	Other - Contractor Construction Damage
9/29/2025	66	0	Four Mile Creek	No	8900 St Croix Ln	Roots
9/30/2025	107	0	Upper Little Sugar Creek	No	830 Kenilworth Av	Pipe Failure
10/1/2025	205	205	Kings Branch	No	10706 Old Nations Ford Rd	Debris In Line
10/2/2025	222	0	Mallard Creek	No	1728 W Sugar Creek Rd	Other
10/4/2025	950	900	Steele Creek	No	10820 S Tryon St	Grease
10/6/2025	50	0	McMullen Creek	No	4426 St Ives Pl	Roots
10/9/2025	905	905	Stewart Creek (Irwin)	No	2247 Lasalle St	Debris In Line
10/12/2025	306	0	Ramsey Creek	No	18617 Nantz Rd, Cornelius	Pipe Failure
10/14/2025	150	75	Upper Little Sugar Creek	No	1225 Harding Pl	Other - Contractor Construction Damage
10/15/2025	195	0	Briar Creek	No	3400 Foxcroft Rd	Grease
10/16/2025	60	0	Upper Little Sugar Creek	No	3800 N Tryon St	Grease
10/18/2025	648	600	Crooked Creek	No	14100 Creekside Dr, Matthews	Pipe Failure
10/18/2025	212	0	Lake Wylie	No	16432 Here At Last Ln	Pipe Failure
10/21/2025	228	228	Reedy Creek	No	9309 Hood Rd	Debris In Line

Date	Volume (Gallons)	Volume to Surface Water	Surface Water Name	Fish Kill?	Address	Primary Cause
10/24/2025	475	450	Briar Creek	No	6117 Bridgeport Dr	Grease
10/26/2025	160	0	Rocky River	No	645 Concord Rd, Davidson	Roots
10/28/2025	460	230	Mallard Creek	No	604 Doug Mayes Pl	Debris In Line
10/30/2025	1775	1500	Paw Creek	No	7929 Tuckaseegee Rd	Pipe Failure
11/3/2025	960	860	Campbell Creek (McAlpine)	No	4926 Muskogee Dr	Debris In Line
11/3/2025	635	500	Irwin Creek	No	1905 Abbott St	Grease
11/6/2025	320	0	Upper Little Sugar Creek	No	1454 Queens Rd W	Debris In Line
11/12/2025	37	0	Six Mile Creek	No	12600 Parks Farm Ln	Grease
11/12/2025	43	0	Long Creek	No	9101 Mentmore Ct	Roots
11/13/2025	2675	2500	Crooked Creek	No	14158 Creekside Dr, Matthews	Pipe Failure
11/19/2025	129177	2500	Catawba River	No	207 Broome St, Mt Holly	Pump Station Equipment Failure
11/20/2025	83140	83140	Back Creek	No	12016 University City Bv	Other - Contractor Construction Damage
11/21/2025	116	0	Briar Creek	No	4400 Sharon Rd	Grease
11/24/2025	840	800	McAlpine Creek	No	6217 Glenridge Rd	Roots
11/24/2025	1600	1600	Doby Creek	No	333 Jeremiah Bv	Debris In Line
11/24/2025	280	280	Briar Creek	No	3413 Ellington St	Pipe Failure
11/29/2025	160	0	Clarke Creek	No	3716 Browne's Ferry Rd	Roots
12/2/2025	1352	676	Upper Little Sugar Creek	No	6135 Elgywood Ln	Pipe Failure
12/2/2025	180	0	Lake Wylie	No	6000 Midsomer Rd	Other - Contractor Construction Damage
12/2/2025	700	700	Briar Creek	No	6316 Old Coach Rd	Debris In Line
12/3/2025	365	182	Mallard Creek	No	1009 Morning Glory Dr	Grease
12/3/2025	135	50	Irvins Creek	No	3021 Windsor Chase Dr, Matthews	Roots

Date	Volume (Gallons)	Volume to Surface Water	Surface Water Name	Fish Kill?	Address	Primary Cause
12/4/2025	237	237	McMullen Creek	No	454 Hunter Ln	Pipe Failure
12/7/2025	544	544	Upper Little Sugar Creek	No	2000 South Bv	Pipe Failure
12/13/2025	525	0	Six Mile Creek	No	11630 Waverly Center Dr	Grease
12/15/2025	1360	1360	Irwin Creek	No	6052 Dutton Drive	Other - Contractor Construction Damage
12/15/2025	48	0	McAlpine Creek	No	6817 Carmel Hills Dr	Roots
12/15/2025	287	0	Long Creek	No	1032 Brookline Dr, Huntersville	Roots
12/16/2025	370	270	Upper Little Sugar Creek	No	5304 Somerset Hill Ln	Roots
12/17/2025	75	0	McMullen Creek	No	4242 Craig Av	Debris In Line
12/19/2025	570	570	McAlpine Creek	No	9100 Monroe Rd	Debris In Line
12/19/2025	250	250	Sugar Creek	No	8035 Pinot Ln	Debris In Line
12/21/2025	250	250	Upper Little Sugar Creek	No	300 S Davidson St	Roots
12/22/2025	1820	1700	Stewart Creek (Irwin)	No	224 Centre St	Debris In Line
12/23/2025	1230	1230	Upper Little Sugar Creek	No	300 Wakefield Dr	Debris In Line
12/28/2025	350	350	Four Mile Creek	No	10300 Hollybrook Dr	Debris In Line
1/2/2026	740	740	Edwards Branch	No	814 Crater St	Debris In Line
1/4/2026	141	0	McMullen Creek	No	8825 Nightingale Ln	Roots
1/5/2026	970	900	Back Creek	No	2304 Coneflower Dr	Roots
1/5/2026	655	490	Irwin Creek	No	4528 Rose Ridge Pl	Debris In Line
1/7/2026	840	840	Lower Little Sugar Creek	No	2039 Wensley Dr	Debris In Line
1/7/2026	870	696	Walkers Branch	No	13445 Cassington Ct	Roots
1/8/2026	740	185	Gum Branch	No	7022 Seney Dr	Pipe Failure

Date	Volume (Gallons)	Volume to Surface Water	Surface Water Name	Fish Kill?	Address	Primary Cause
1/12/2026	8400	8400	Upper Little Sugar Creek	No	1242 Queens Rd W	Pipe Failure
1/13/2026	625	312.5	Mallard Creek	No	6601 N I-85 Service Rd	Vandalism
1/13/2026	14820	14820	McAlpine Creek	No	3927 Bon-Rea Dr	Other - Contractor Construction Damage
1/14/2026	20	0	Irwin Creek	No	1515 S Clarkson St	Roots
1/15/2026	285	0	Long Creek	No	11035 Treebranch Dr	Other - Contractor Construction Damage
1/16/2026	108	0	Steele Creek	No	11702 S Tryon St	Debris In Line
1/19/2026	112	0	Four Mile Creek	No	301 Mcleod St, Matthews	Roots
1/19/2026	113	0	McAlpine Creek	No	7710 Ridgeloach Pl	Roots
1/21/2026	765	700	Upper Little Sugar Creek	No	1424 Waverly Av	Pipe Failure
1/21/2026	2395	300	Long Creek	No	12135 Beaux Art Ln	Pipe Failure
1/26/2026	685	685	Sugar Creek	No	7828 Forest Point Bv	Debris In Line
2/10/2026	571164	571164	Sugar Creek	No	6403 S Tryon St	Pipe Failure
2/13/2026	300	0	Lake Norman	No	19908 Shearwater Point Dr, Cornelius	Pipe Failure
2/18/2026	16380	16380	Briar Creek	No	2465 Mecklenburg Av	Other - Contractor Construction Damage
2/19/2026	1345	520	McDowell Creek	No	12100 Statesville Rd, Huntersville	Other - Contractor Construction Damage
2/20/2026	1510	755	Long Creek	No	116 Springhill Rd	Grease
2/21/2026	558	279	McAlpine Creek	No	1300 Cedar Ln	Roots
2/22/2026	328	328	McMullen Creek	No	5500 Randolph Rd	Other
2/24/2026	51	0	McAlpine Creek	No	8616 Pence Rd	Debris In Line
2/24/2026	96	0	Campbell Creek (McAlpine)	No	5300 Albemarle Rd	Roots
2/25/2026	1140	855	Four Mile Creek	No	10105 Whitethorn Dr	Roots
2/26/2026	72	0	Sugar Creek	No	118 E Woodlawn Rd	Roots

Date	Volume (Gallons)	Volume to Surface Water	Surface Water Name	Fish Kill?	Address	Primary Cause
3/2/2026	196	0	Lower Little Sugar Creek	No	4030 Tyndale Av	Pipe Failure
3/3/2026	64	0	Upper Little Sugar Creek	No	2641 N Graham St	Grease
3/3/2026	32	0	Upper Little Sugar Creek	No	1900 Randolph Rd	Debris In Line
3/4/2026	4200	840	Sugar Creek	No	7437 Flodden Field Ct	Other
3/4/2026	1050	900	Campbell Creek (McAlpine)	No	4822 Dogwood Pl	Roots
3/4/2026	500	500	Briar Creek	No	3749 Frontenac Av	Roots
3/5/2026	3540	885	Upper Little Sugar Creek	No	4031 South Bv	Pipe Failure
3/6/2026	40	0	Mallard Creek	No	4100 Johnston Oehler Rd	Debris In Line
3/9/2026	205	0	Irwin Creek	No	2822 Meadow Knoll Dr	Debris In Line
3/10/2026	252	100	Lake Norman	No	18217 Harbor Light Bv, Cornelius	Pipe Failure
3/11/2026	366	0	Sugar Creek	No	8730 Sharonbrook Dr	Roots
3/12/2026	3495	873	Mallard Creek	No	12400 N Tryon St	Debris In Line
3/14/2026	1550	1550	McAlpine Creek	No	9432 Hunting Ct, Matthews	Debris In Line
3/19/2026	459	230	Toby Creek	No	1357 Heathway Dr	Roots
3/19/2026	200	185	Irwin Creek	No	2734 Meadow Knoll Dr	Debris In Line
3/22/2026	105	0	Taggart Creek (Sugar)	No	5415 Airport Dr	Debris In Line
3/25/2026	56	0	Irvins Creek	No	5504 Lebanon Rd, Mint Hill	Debris In Line
3/25/2026	163	0	Lower Mountain Island Lake	No	10144 Garman Hill Dr	Roots
3/27/2026	135	135	Toby Creek	No	8428 University City Bv	Debris In Line
3/30/2026	730	0	Lake Norman	No	19908 Shearwater Point Dr, Cornelius	Pipe Failure
3/30/2026	765	765	McAlpine Creek	No	7626 Swans Run Rd	Other

Date	Volume (Gallons)	Volume to Surface Water	Surface Water Name	Fish Kill?	Address	Primary Cause
3/30/2026	1200	1200	Lower Little Sugar Creek	No	2101 Sharon Oaks Ln	Debris In Line
4/6/2026	25	0	Lake Wylie	No	18608 Corradale Rd	Pipe Failure
4/6/2026	1750	1500	Six Mile Creek	No	17770 Marvin Rd	Pump Station Equipment Failure
4/6/2026	434	300	Crooked Creek	No	2900 Holcroft Ct, Matthews	Roots
4/11/2026	225	0	Toby Creek	No	316 Hampton Church Rd	Other
4/11/2026	125	100	Briar Creek	No	3601 Wheatley Ave	Pipe Failure
4/12/2026	160	0	McAlpine Creek	No	232 Vista Grande Cr	Other
4/12/2026	280	0	Lower Little Sugar Creek	No	9909 Hanover Hollow Dr	Roots
4/14/2026	123	0	McAlpine Creek	No	7114 Meadow Run Ln	Roots
4/16/2026	80	0	McDowell Creek	No	15675 Knoll Oak Ct, Huntersville	Other - Contractor Construction Damage
4/17/2026	345	345	Lower Little Sugar Creek	No	1710 Abbey Pl	Debris In Line
4/21/2026	69750	69750	Studman Branch	No	15212 Grand Palisades Py	Pipe Failure
4/22/2026	2450	2300	Irwin Creek	No	2622 Beech Nut Rd	Roots
4/23/2026	245	0	McDowell Creek	No	19725 Oak St, Cornelius	Grease
4/24/2026	800	600	Mallard Creek	No	604 Doug Mayes Pl	Roots
4/24/2026	4200	4200	Sugar Creek	No	3315 Scott Futrell Dr	Pipe Failure
4/24/2026	260	0	Six Mile Creek	No	17422 Westmill Ln	Other
4/26/2026	820	820	McAlpine Creek	No	700 Nestle Wy	Roots
4/28/2026	570	570	Paw Creek	No	6307 Paw Village Rd	Grease
4/28/2026	360	0	Lake Norman	No	17527 Jetton Rd, Cornelius	Other - Contractor Construction Damage
4/30/2026	375	375	Steele Creek	No	10660 S Tryon St	Debris In Line
4/30/2026	59	0	Reedy Creek	No	7000 Rothmore St	Roots
5/1/2026	490	400	Mallard Creek	No	3105 Lilac Grove Dr	Other - Contractor Construction Damage

Date	Volume (Gallons)	Volume to Surface Water	Surface Water Name	Fish Kill?	Address	Primary Cause
5/6/2026	1155	1155	Irwin Creek	No	2713 S Tryon St	Pipe Failure
5/6/2026	2230	2230	McMullen Creek	No	10609 Johnston Rd	Roots
5/8/2026	1435	1200	Kings Branch	No	819 Farmhurst Dr	Debris In Line
5/11/2026	21	0	Stewart Creek (Irwin)	No	2324 Rozzelles Ferry Rd	Pipe Failure
5/13/2026	900	900	McMullen Creek	No	3910 Kingsgate Pl	Roots
5/13/2026	280	0	Crooked Creek	No	13301 Salvo Dr, Matthews	Debris In Line
5/13/2026	90	0	McAlpine Creek	No	10550 Independence Pointe Py, Matthews	Debris In Line
5/15/2026	980	980	McMullen Creek	No	10106 Johnston Rd, Pineville	Debris In Line
5/17/2026	935	0	McAlpine Creek	No	8225 Runaway Bay Dr	Grease
5/19/2026	52	0	Goose Creek	No	8234 White Ash Ct, Mint Hill	Roots
5/24/2026	123	123	Lake Wylie	No	11007 Lochmere Rd	Pipe Failure
5/26/2026	362	0	Lake Norman	No	20705 Sterling Bay Ln E, Cornelius	Debris In Line
5/29/2026	177	0	W Fork Twelve Mile Creek	No	3720 Weddington Ridge Ln	Other
6/2/2026	1460	730	McMullen Creek	No	1031 Huntington Park Dr	Roots
6/2/2026	224	224	Lake Norman	No	17005 Belle Isle Dr, Cornelius	Other - Contractor Construction Damage
6/10/2026	405	0	Lower Little Sugar Creek	No	1003 Blythe Bv, 28203	Pipe Failure
6/11/2026	640	600	McAlpine Creek	No	5002 Double Lakes Dr	Roots
6/12/2026	580	0	Irwin Creek	No	100 Beatties Ford Rd	Pipe Failure
6/12/2026	600	500	Sugar Creek	No	7828 Forest Point Bv	Other
6/22/2026	660	0	Irwin Creek	No	100 Beatties Ford Rd	Pipe Failure
6/24/2026	120	0	Coffey Creek	No	1917 Ayrsley Town Bv	Debris In Line

TOTAL NUMBER OF FY 2026 COLLECTION SYSTEM SPILLS:**171**

Volume Safely Collected, Treated & Discharged During Fiscal Year 2026: 30,744,000,000 Gallons (99.99%)
Volume Spilled: 1,343,474 Gallons

VI. Permit Compliance and Reporting Violations, by plant**Ashe Plantation WWTP -- NPDES Permit #NC0065749**

MONTH	PERMIT LIMIT VIOLATIONS	REPORTING REQUIREMENT VIOLATIONS
July, 2025	None	None
August, 2025	None	None
September, 2025	None	None
October, 2025	None	None
November, 2025	None	None
December, 2025	None	None
January, 2026	None	None
February, 2026	None	None
March, 2026	None	None
April, 2026	None	None
May, 2026	None	None
June, 2026	None	None

Irwin Creek WRRF -- NPDES Permit #NC0024945

MONTH	PERMIT LIMIT VIOLATIONS	REPORTING REQUIREMENT VIOLATIONS
July, 2025	None	None
August, 2025	None	None
September, 2025	None	None, but received an NOV for a filtrate spill.
October, 2025	None	None
November, 2025	None	None
December, 2025	None	None
January, 2026	None	None
February, 2026	None	None
March, 2026	None	None
April, 2026	None	None
May, 2026	None	None
June, 2026	None	None

Mallard Creek WRRF -- NPDES Permit #NC0030210

MONTH	PERMIT LIMIT VIOLATIONS	REPORTING REQUIREMENT VIOLATIONS
July, 2025	None	None
August, 2025	None	None
September, 2025	None	None
October, 2025	None	None
November, 2025	None	None
December, 2025	None	None
January, 2026	None	None
February, 2026	None	None
March, 2026	None	None
April, 2026	None	None
May, 2026	None	None
June, 2026	None	None

McAlpine Creek WWMF -- NPDES Permit #NC0024970

MONTH	PERMIT LIMIT VIOLATIONS	REPORTING REQUIREMENT VIOLATIONS
July, 2025	None	None
August, 2025	None	None
September, 2025	None	None
October, 2025	None	None
November, 2025	None	None
December, 2025	None	None
January, 2026	None	None
February, 2026	None	None
March, 2026	None	None
April, 2026	None	None
May, 2026	None	None
June, 2026	None	None

McDowell Creek WRRF -- NPDES Permit #NC0036277

MONTH	PERMIT LIMIT VIOLATIONS	REPORTING REQUIREMENT VIOLATIONS
July, 2025	None	None
August, 2025	None	None
September, 2025	None	None
October, 2025	None	None
November, 2025	None	None
December, 2025	None	None
January, 2026	None	None
February, 2026	None	None
March, 2026	None	None
April, 2026	None	None
May, 2026	None	None
June, 2026	None	None

Sugar Creek WRRF -- NPDES Permit #NC0024937

MONTH	PERMIT LIMIT VIOLATIONS	REPORTING REQUIREMENT VIOLATIONS
July, 2025	None	None
August, 2025	None	None
September, 2025	None	None
October, 2025	None	None
November, 2025	None	None
December, 2025	None	None
January, 2026	None	None
February, 2026	None	None
March, 2026	None	None
April, 2026	None	None
May, 2026	None	None
June, 2026	None	None