

# Annual Wastewater System Performance Report

## Fiscal Year 2024-2025

Town of Clayton



## August 2025

# Town Of Clayton

## I. General Information

Responsible Entity: Town of Clayton

Wastewater Treatment Facility Name: Sam's Branch (Previously Little Creek) Water Reclamation Facility (SBWRF)

ORC: David White – SBWRF

Jason Newman – Collections System

NPDES Permit # **NC0025453**

Collections System Permit # **WQCS00110**

Lab Certification # **348**

Description of treatment process and collection system: The SBWRF is comprised of an automated bar screen, grit chamber, sampling station, flow monitoring, dual oxidation ditches with biological nutrient removal, tertiary filter, ultraviolet disinfection, standby chlorination & de-chlorination, sludge thickening, aerated sludge storage and reclaim water. The wastewater collection system is comprised of 27 lift stations, approximately 146.5 miles of gravity sewer and approximately 36.4 miles of force main.

## II. Performance

The collection and treatment facility recorded a good performance for the 12-month period of July 1, 2024, to June 30, 2025. The facility met the permit conditions with the following exceptions:

The facility reported **one** sanitary sewer overflow between July 1, 2024 to June 30, 2025.

The treatment facility treated **596,683,000** gallons during this period and met the NPDES permit limits.

Clayton sent **166,163,328** gallons to Raleigh and **487,561,460** gallons to Johnston County for treatment.

The treatment facility sent **8,630,647** gallons of reclaimed water to Pine Hollow Golf Course.

The total system flow for the year was **1,233,407,788** gallons.

Sanitary sewer overflows that exceed 1,000 gallons or more and/or reach surface waters must be reported to the State of North Carolina.

The collection system had 5 overflows during the 12-month period that did not meet the reporting criteria. The collection system and facility overflows that did require reporting to the state are listed below:

Date	Location	Gallons	Cause
09-25-24	1000 Durham St. (SBWRF) Headworks	5400	Storm that brought heavy rain in a short amount of time that overcame the Headworks to the plant.
08-19-24	Behind 109 Kentucky Derby Dr.	10000	16" DIP failed from corrosion

Corrective measures for the overflow(s) included line repairs, cleaning gravity mains, and CCTV of areas in concern that are in accordance with State guidelines for maintenance and I & I investigation purposes. Chemical Root Control was performed to help prevent and halt the growth of roots within the system to also help in preventing an SSO. The Town has continued to send out Public Grease Education materials in December of 2024 and June of 2025 to promote awareness on the disposal of grease and other items into the collection system. This year we have had several water/sewer related damages due to contractors. As a result of this the Town is working on ways to hold contractors more accountable as these situations arise. During these SSOs, there were no environmental impacts or adverse health impacts that were detected.

The following improvements were made to the collection system during the 12-month period:

- |   |              |
|---|--------------|
| 1. Neuse River Ariel Pilar Repair                                   | \$67,725     |
| 2. ECIA Lift Station Upgrade  | \$18,000,000 |
| 3. Clayton to Raleigh Lift Station Upgrade                          | \$2,000,000  |
| 4. Easement Vegetation Control                                      | \$3,250      |
| 5. Chemical Root Control  | \$13,858     |
| 6. Lift Station Bypass Pump Maintenance                             | \$10,305     |
| 7. Lift Station Generator Maintenance                               | \$11,641     |
| 8. Lift Station PLC Upgrade   | \$122,600    |
| 9. Atkinson Rd, Second St, First St Water/Sewer Replacement         | \$1,500,000  |
| 10. Blanche, O'Neil, Ellington Rd water/sewer Improvements (Design) | \$2,100,000  |
| 11. Forrest Hills Lift Station (Design)                             | \$4,500,000  |
| 12. Walnut Creek Lift Station (Design)                              | \$2,600,000  |
| 13. West Clayton Sewer Improvements (Design)                        | \$7,800,000  |

The approximate cost of these improvements are:

**Total \$38,730,000**

We made one improvement for staff which involved purchasing an office trailer to provide more restrooms for staff. The approximate cost of this purchase and setup was \$23,350. The bulk of costs associated with the plant have been construction related. The Sam's Branch Water Reclamation Facility is currently at 82% completion and \$149 million has been spent on construction to date.

### **III. Notification**

A notice of availability is published in the Johnstonian News at [www.townofclaytonnc.org](http://www.townofclaytonnc.org). A report may be picked up from the customer service counter at Town Hall at 111 E. Second St. or at the Operations Center at 653 Veterans PKWY. Customers may also call 919-553-1530 to request a copy by mail. The report can also be viewed on the Town's Web Site ([www.townofclaytonnc.org](http://www.townofclaytonnc.org)).

### **IV. Certification**

I certify under the 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.



Rich Cappola, Town Manager

7/30/25

Date

This report has been drafted to meet the reporting requirements established in House Bill 1160 and in accordance with the Clean Water Act of 1999.

**MAYOR**  
Jody L. McLeod

**TOWN MANAGER**  
Richard D. Cappola, Jr.

**TOWN ATTORNEY**  
Cauley Pridgen, P.A.



**MAYOR PRO TEM**  
Michael Sims

**COUNCIL MEMBERS**  
Ruth Anderson  
Andria Archer  
Porter Casey  
Gretchen Williams

Annual Wastewater System Performance Report

NC Division of Water Quality  
1617 Mail Service Center  
Raleigh, NC 27699-1617

In accordance with House Bill 1160 and the Clean Water Act of 1999, three copies of the Annual Wastewater System Performance Report for FY 2024-2025 are being sent to you for NPDES Permit #NC0025453, Laboratory Certification #348, and Collection System Permit #WQCS 00110.

If there are any questions concerning the report or any further information is required, please contact the Operations Center at 919-553-1530.

Sincerely,

A handwritten signature in blue ink that reads "Jason Newman".

Jason Newman  
Water Resources Maintenance Superintendent

**MAYOR**  
Jody L. McLeod

**TOWN MANAGER**  
Richard D. Cappola, Jr.

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August 1, 2025

The Johnstonian News  
614 E. Market St.  
Smithfield, NC 27577

**ATTN: Legal Department**

In accordance with House Bill 1160 and the Clean Water Act of 1999, the Town of Clayton makes available an Annual Wastewater System Performance Report. This report is for public view and is intended to reach the Town's service area by publishing the following information:

The Town of Clayton's FY 2024-2025 Annual Wastewater System Performance Report is now available. A copy of the report may be obtained from the Customer Service Center at Town Hall at 111 E. Second St. or the Operations Center on 653 Veterans PKWY. To obtain a copy by mail, please call 919-553-1530. It may also be viewed on the Town's Web Site ([www.townofclaytonnc.org](http://www.townofclaytonnc.org)).

Thanks in advance,

Sincerely,

Jason Newman  
Water Resources Maintenance Superintendent

Cc: Nathanael Shelton, Communications Director  
James Blalock, Assistant Water Resources Director  
Joshua Baird, PE, Water Resources Director  
Collections System File, Share Point