

**ANNUAL PERFORMANCE REPORT FOR THE JOHNSTON COUNTY
WASTEWATER TREATMENT FACILITIES.
PERIOD: July 01, 2022 TO June 30, 2023**

I. General Information

Facility Name(s): Johnston County Wastewater Treatment Facilities

Responsible Entity: Johnston County

Contact Person(s): Chandra Farmer, P.E. or John D. Wall

Address: P.O. Box 2263, Smithfield, N.C. 27577 Telephone # : 919.989.5075

NPDES Permit #'s : NC0030716, NC0084735, WQCS00060 and
WQ0019632.

The Central Johnston County Regional Wastewater Facilities (Permits NC0030716 and WQCS00060) collect and treat wastewater from the towns of Smithfield, Selma, Four Oaks, Wilson's Mills, Pine Level, and Clayton. County facilities also extend to and serve the East Clayton Industrial Park, the Cleveland community, NC 42 area east of the Neuse River, and the McGee's Crossroads area.

The County operates and maintains a system of sewer line interceptors that extend through Smithfield to Selma. Wastewater from Pine Level is pumped into this interceptor. Wastewater from Four Oaks is transferred to the treatment facility through a series of force mains and interceptors involving three (3) pumping stations or can be directly pumped to Benson. Each town is responsible for operating its own collection system. Wastewater from the other areas identified above is pumped to the County's treatment facility or the Town of Clayton wastewater treatment facility.

The treatment plant (NPDES Permit # NC0030716) is located south of Smithfield. The plant is a tertiary facility permitted to treat and discharge 9.5 million gallons per day to the Neuse River. The plant treatment works consist of primary screening, activated sludge with biological nutrient removal, secondary clarification, denitrification filtration, and ultraviolet light disinfection. Additionally, the plant stabilizes and dewater biological sludge for disposal in the County's lined landfill facility.

The County also treats process water (NPDES Permit # NC0084735) from the County's water filtration plant in Wilson's Mills. This facility consists of surge decanting tanks, solids thickener, and fine solids polishing basins with the effluent dechlorinated prior to discharge to the Neuse River. These processes are located on the water plant site.

II. Performance

During the period July 01, 2022 through June 30, 2023 no violations occurred under **NPDES Permit # NC0030716**.

During the period July 01, 2022 through June 30, 2023, the following sanitary sewer overflows occurred under **Permit # WQCS00060**:

Date	Location	Spill Volume	Cause
8/16/2022	2677-2745 US Highway 70 W, Smithfield, NC 27577	35,000	Pipe Failure (Break)
1/27/2023	1000 East Huntley Street Smithfield, NC 27577	12,000	Pipe Failure (Break)

During the period July 01, 2022 through June 30, 2023, pH exceeded the daily limit on December 5, 2022 under **NPDES Permit # NC0084735**.

During the period July 01, 2022 through June 30, 2023, ammonia nitrogen exceeded the daily limit on April 12, 2023 under # **WQ0019632**.

III. Notification

This report is available at the Johnston County Department of Utilities located at 309 East Market Street in Smithfield, the County Manager's office in the Court House Annex, and has been provided to the towns served by these facilities. This report will also be available on the County's website at www.johnstonnc.com. A Public Notice was published in the Johnstonian News notifying users of its availability.

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.



Chandra Farmer, P.E.
Public Utilities Director

Date: July 31, 2023