

**ANNUAL PERFORMANCE REPORT FOR THE JOHNSTON COUNTY
WASTEWATER TREATMENT FACILITIES
PERIOD: July 01, 2019 TO June 30, 2020**

I. General Information

Facility Name(s): Johnston County Wastewater Treatment Facilities

Responsible Entity: Johnston County

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

Address: PO Box 2263, Smithfield, NC 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. The facilities also collect a treat wastewater from two private utilities (Aqua NC and Carolina Water Service). County facilities also extend to and serve the East Clayton Industrial Area, the Cleveland community, NC 42 east of the Neuse River, and the McGee's Crossroads area.

The County operates and maintains a system of sewer main 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 the Town of Benson. Each bulk customer 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 treatment plant site.

II. Performance

During the period July 01, 2019 through June 30, 2020 there were no violations for **NPDES Permit NC0030716**.

During the period July 01, 2019 through June 30, 2020, the following sanitary sewer overflows occurred under **Permit WQCS00060**:

Date	Location	Spill Volume (gallons)	Cause
9/6/2019	1457 West Noble Street Selma, NC WW Pump Station	640,000	Hurricane Dorian flooding and heavy rain Inflow and Infiltration
9/7/2019	3146 Swift Creek Road Smithfield, NC	46,750	Hurricane Dorian flooding and heavy rain Pipe Failure (Break)
9/7/2019	1457 West Noble Street Selma, NC	3,600	Hurricane flooding and heavy rain Pipe Failure (Break)
2/18/2020	4710 Cornwallis Road Garner, NC (Approx. 800 feet N of this address toward Hwy 42 W)	45,000	Pipe Failure (Break)

During the period July 01, 2019 through June 30, 2020, there were no violations for **NPDES Permit NC0084735**.

During the period July 01, 2019 through June 30, 2020, there were no violations for permit **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 bulk customers served by these facilities. This report will be available on the County's web site, www.johnstonnc.com. A public notice was published in the Smithfield Herald 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 C. Farmer

Chandra C Farmer, P.E.

Director of Utilities, Johnston County

Date: 8/5/20