

**ANNUAL PERFORMANCE REPORT FOR THE JOHNSTON COUNTY WASTEWATER
TREATMENT FACILITIES.**

PERIOD: July 01, 2016 TO June 30, 2017

I. General Information

Facility Name(s): Johnston County Wastewater Treatment Facilities

Responsible Entity: Johnston County

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

Address: P.O. 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. 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, 2016 through June 30, 2017 for **NPDES Permit # NC0030716:**

- BOD for the month of October 2016 exceeded the limit of 5 mg/L. The value was 5.20 mg/L. This was due to Hurricane Matthew. The wastewater plant completely flooded.

During the period July 01, 2016 through June 30, 2017, there were no violations for **NPDES Permit # 0084735.**

During the period July 01, 2016 through June 30, 2017, there were no violations for Permit # **WQ0019632**.

During the period July 01, 2016 through June 30, 2017, the following sanitary sewer overflows occurred under Permit # **WQC00060**:

Date	Location	Spill Volume (Gallons)	Cause
10/08/16	500 Josephine Rd, Garner, NC	6,000	Hurricane Matthew
10/08/16	1457 W. Noble St, Selma, NC	8,760,000	Hurricane Matthew
10/08/16	2900 Brightleaf Blvd, Smithfield, NC	12,000	Hurricane Matthew
10/08/16	96 Hillsboro Rd, Four Oaks, NC	45,000	Hurricane Matthew
10/08/16	10225 Cleveland Rd, Clayton, NC	28,800	Hurricane Matthew
10/08/16	40 Glenda Ln, Garner, NC	28,800	Hurricane Matthew
10/08/16	Dance Art Dr, Garner, NC	28,800	Hurricane Matthew
10/08/16	121 Commerce Pkwy, Garner, NC	18,000	Hurricane Matthew
10/08/16	4600 NC 42 W, Garner, NC	63,000	Hurricane Matthew
10/08/16	2862 US Hwy 70, Smithfield, NC	21,600	Hurricane Matthew
10/08/16	683 Devils Racetrack Rd, Four Oaks, NC	45,000	Hurricane Matthew
10/08/16 – 10/11/16	400 Fawnbrook Dr, Four Oaks, NC	465,000	Hurricane Matthew
10/09/16	517 N. Second St, Smithfield, NC	11,070,000	Hurricane Matthew
10/09/16 – 10/13/16	1000 E. Huntley St, Smithfield, NC	30,468,000	Hurricane Matthew
10/13/16	1000 E. Huntley St, Smithfield, NC	11,592,000	Hurricane Matthew
10/14/16	1000 E. Huntley St, Smithfield, NC	11,592,000	Hurricane Matthew
10/15/16	1000 E. Huntley St, Smithfield, NC	11,592,000	Hurricane Matthew
10/16/16	1000 E. Huntley St, Smithfield, NC	6,000,000	Hurricane Matthew
04/16/17	4170 Cornwallis Rd, Garner, NC	250,000	Pipe Failure
04/25/17	683 Devil’s Racetrack Rd, Four Oaks, NC	12,000	Severe Natural Condition (7” of rainfall)
04/25/17	1457 W. Noble St, Selma, NC	1,250,000	Severe Natural Condition (7” of rainfall)

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 be available on the County’s website (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. Coats

Chandra Coats P.E.
Public Utilities Director

Date: 7/25/11.