

Annual Collection and Wastewater Treatment Works Report 2018-2019

Town of Windsor
Collection System Permit #WQCS00118
November 14, 2019

We are pleased to provide you with this year's Collection and Wastewater Works Report. We hope this will inform you of how our system is operating.

If you have any questions concerning this report please contact Allen Castelloe or Millard Lewis at (252) 794-2331. We want our customers to be informed about our collection and treatment system. If you want to learn more please attend our regularly scheduled meeting. They are held on the second Thursday of each month at 8:30 am at the Town of Windsor Municipal Building.

Windsor's Wastewater Collection System and Treatment Works are classified as Grade II and Grade III respectively.

Our collection system is made up of a network of pipes throughout the city.

Pipe sizes are:

1. 6 inch
2. 8 inch
3. 10 inch
4. 12 inch

Pipe materials are:

1. Vitrified Clay
2. Asbestos Cement
3. Cast Iron
4. PVC
5. Ductile

There are approximately 26 miles of sewer lines that collect and carry wastewater to the treatment facility. We have 5 major lift stations and numerous smaller pumping stations for subdivisions and difficult areas to serve.

The town has 9 pumping stations outside of the city limits, involving 13.5 miles of force mains, and one inside the city limits that serves the State Prison which is included in the following:

1. Bertie High School
2. Hoggard Mill Rd.
3. Southwestern Middle School
4. Bud's Lane

5. Pleasant Oak
6. Center Road
7. Woodard Road
8. North Carolina State correctional facility
9. Windsor house

The 6 major lift stations have standby generators in case of power failure; all the others use pumping station reservoirs and collection system for storage.

Sewage is pumped across the river and through Broad Branch to the Wastewater Treatment Plant.

The Wastewater Treatment Plant is an Extended Aeration Activated Sludge Plant built in 1974. This plant is well within state regulatory standards in treating the sewage. The plant has an efficiency of 96% in BOD removal and 92% removal in TSS. The plant capacity is 1.15 million gallons per day. This plant treated over 224 million gallons of sewage this past fiscal year.

The Town of Windsor received 2 NOD's for the year of 2018 - 2019. First one was in January for BOD and Fecal Coliform for exceeding limits. The second was in June for exceeding our limit for Copper. The Town of Windsor also received a Notice of Violation in April for Whole Effluent Toxicity (WET) testing

The Town of Windsor maintains a work force capable of replacing or repairing sewers in the normal range. If we have problems beyond our capabilities, we will call in contractors to help. We ask that you help us to help better serve you by watching out for things being put in manholes, down drains, or being disposed of around the house such as grease. The Town of Windsor's Grease ordinance prohibits disposing of grease in any form into the sewer. We hope this informs you about your sewer system. We thank you for your past and future support of our department and look forward to continuing to serve you.