

TOWN OF WILLIAMSTON
WASTEWATER TREATMENT FACILITY
&
COLLECTION SYSTEM
ANNUAL PERFORMANCE REPORT
July 1, 2022 - June 30, 2023

12 JULY 2023

General Information

Facility/System Name: Town of Williamston
Address: P.O. Box 506
Williamston, NC 27892

Responsible Entity: Eric Pearson, Town Administrator
Stacey Stalls, Public Works Director

Person in Charge/Contact: Gene Reed

Applicable Permits: NPDES Permit # NC0020044 Collection System Permit # WQCS00090

This report is being provided to Town of Williamston customers in order to inform you about the operational performance of the Town of Williamston sewer system. House Bill 1160, the Clean Water Act of 1999, as ratified by the North Carolina General Assembly on July 20th and signed into law by the Governor on July 21st, 1999 requires that a report be provided to customers and the North Carolina Department of Environmental Quality that summarizes performance over a twelve month period.

The Town of Williamston operates and maintains a 2.0 million gallon per day Wastewater Treatment Plant. This facility is an oxidation ditch which utilizes an activated sludge biological process with preliminary treatment units to remove sand, grit, plastics, etc. The facility produces sludge byway of the biological process that is settled out in the clarification process which allows the sludge to be removed and stored or returned to the biological process while the clean water is directed from the clarifiers through the disinfection process, disinfection chemical removal process and reaeration process. The stored sludge is eventually hauled away and used on pasture land in a nutrient enrichment program. After this treatment process the treated water is discharged to the Roanoke River and reused by our environment.

The Town of Williamston collection system consists of approximately sixty five miles of primarily gravity flow sewer mains, 3 miles of force mains, thirteen pumping stations and associated service laterals. This system conveys untreated wastewater to the 2.0 mgd activated sludge Wastewater Treatment Plant designed to remove no less than eighty-five percent of pollutants by means of biological treatment. Treated effluent is discharged from this point into the Roanoke River.

2022/2023 Performance Summary

Exceeding the limitations placed on the Wastewater Treatment Plant by the regulatory authority results in the system being considered non-compliant. This type of occurrence could be followed by issuance of a Notice of Violation (NOV) by the regulatory authority (N.C. DEQ/Water Resources) and possibly a civil penalty. During this reporting period there were no such occurrences at the Wastewater Treatment Plant.

*** It may also be considered a matter of non-compliance when a Sanitary Sewer Overflow (SSO) occurs from a component of the sewer collection system. During this reporting period there was one sanitary Sewer Overflow (SSO) on 8/26/2022 that was located in the area beside the ditch at 101 Brownlow discharging to the Skewarkee Canal. This spill lasted 30 minutes and had a total volume of 2500 gallons spilled into the ditch. Repairs were made to include damaged pipe removed and replaced and soil removed and replaced. No further spills have occurred at this location. The Town of Williamston did receive a Notice of Violation dated 9/14/2022 from the North Carolina Department of Environmental Quality's Washington Regional Office.

The Town of Williamston encourages customers to avoid washing cooking fats, oils and grease used in the home down the drain as this contributes to the buildup of grease in the sewer system leading to sewer blockages that can result in spills from the sewer system. These spills can have a negative effect on the environment and are quite expensive to repair and clean up. The Town of Williamston has a grease trap inspection program in place that allows us to monitor and inspect local businesses in an effort to guard against the possible discharge of untreated wastewater as a result of excessive oil/grease from those locations. There is no such program in place for the Town's residential customers so therefore it must rely on the goodwill and cooperation of our citizens to help control the disposal of fats, oils and grease in the sewer collection system by disposing of their cooking fats, oils and greases in their household trash. We thank you in advance for your cooperation with this matter.

Where spills are concerned, the Town of Williamston's Public Works Department continues to make every effort to make the necessary repairs as quickly as possible upon learning of such occurrences. Assistance received from the public in learning of any occurrences of this type is much appreciated.

The Town of Williamston makes every effort to ensure that the Wastewater Treatment Plant and the Collection System are operated and maintained in a manner that meets or exceeds all applicable local, state and federal requirements.

Tours of the Town of Williamston's Wastewater Treatment and Collection Systems are available. To schedule a tour contact Gene Reed at 252-792-4744.

The following chart indicates limitations that may have been violated at the Waste Water Treatment Plant or in the Sewer Collections System and the month of any such occurrence.

**VIOLATIONS
2022/2023**

Month	Flow	Monthly BOD	Weekly BOD	Monthly TSR	Weekly TSR	Monthly Fecal Coliform	Weekly Fecal Coliform	Daily Ultra Low Chlorine
Limits	2.0 MGD	25 mg/l	37.5 mg/l	30 mg/l	45 mg/l	200/100	400/100	<28 ug/l
July 21								
August 21								
September 21								
October 21								
Limits	2.0 MGD	30 mg/l	45 mg/l	30 mg/l	45 mg/l	200/100	400/100	<28 ug/l
November 21								
December 21								
January 22								
February 22								
March 22								
Limits	2.0 MGD	25 mg/l	37.5 mg/l	30 mg/l	45 mg/l	200/100	400/100	<28 ug/l
April 22								
May 22								
June 22								
*** See performance Summary for Details								

Notification

Customers will be notified of the availability of this report by means of an article in the local newspaper. Copies of this report will be available by request during normal operating hours (7a.m.-5:30p.m. Monday through Thursday) at the Town of Williamston Public Works Department. This report may also be viewed on the Town's website at townofwilliamston.com. Questions regarding this report or the wastewater system operations may be directed to Gene Reed, Operator in Responsible Charge of the Wastewater and Collection Systems at 252-792-4744 or Stacy Stalls, Director of Public Works at (252) 792-1024.

Certifications:

I certify under penalty of law that, to the best of my knowledge, all statements contained in this report are true and accurate. I further certify that this report has been made available to the users or customers of the Town of Williamston and that those users have been notified of its availability.

Gene Reed
Operator in Responsible Charge

Stacy Stalls
Director of Public Works

Eric Pearson
Town Administrator