

TOWN OF WILLIAMSTON
WASTEWATER TREATMENT FACILITY
&
COLLECTION SYSTEM

ANNUAL PERFORMANCE REPORT
July 1, 2020 - June 30, 2021

12 JULY 2021

General Information

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

Responsible Entity: Eric Pearson, Town Administrator
Kerry Spivey, 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 facility. 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 a 2.0 mgd activated sludge wastewater treatment system designed to remove some eighty-five percent of pollutants by means of biological treatment. Treated effluent is discharged from this point into the Roanoke River.

2020/2021 Performance Summary

Exceeding the limitations placed on the wastewater treatment facilities 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. In the past year there were two conditions in which the wastewater treatment facility was considered non-compliant. One condition was on November 24 & 25, 2020 where some of our weekly samples were not picked up by our contract lab at the scheduled time. The samples were transported to the contract lab at a later date. By the time they reached the lab they were out of holding times, without proper preservation and below proper temperatures. No Notice of Violation was issued by NC DEQ for this condition however the NC DEQ did require a Corrective Action Response (CAR) to ensure this type of event did not occur again. The CAR was submitted to NC DEQ on 12/8/20. The other condition was in February 2021 where the WWTP (Wastewater Treatment Plant) exceeded its NPDES permitted flow of 2.0 million gallons per day (MGD) by 0.20 MGD. A Notice of Deficiency (Tracking # NOD-2021-LV-0061) was issued for this condition by NC DEQ. Neither condition resulted negatively upon the quality of effluent discharged from the WWTP to the Roanoke River.

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. There were no SSOs during this reporting period.

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 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 to allow 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 its citizens to help control the disposal of fats, oils and grease in the sewer collection system.

Where spills are concerned, the Town of Williamston Public Works Department continues to make every effort to make 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 Facility 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
2020/2021**

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 20								
August 20								
September 20								
October 20								
Limits	2.0 MGD	30 mg/l	45 mg/l	30 mg/l	45 mg/l	200/100	400/100	<28 ug/l
November 20	X							
December 20								
January 21								
February 21	X							
March 21								
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 21								
May 21								
June 21								
X 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 System at 252-792-4744 or Kerry L. Spivey, Director of Public Works at (252) 792-1024.

Certification

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



Kerry L. Spivey
Director of Public Works



Eric Pearson
Town Administrator