

This is the **Annual Performance Report**, 2016 edition for the Town of Jefferson Wastewater Treatment Plant and its outlying sanitary sewer collection system, permits NC0021709 and WQCS00220 respectively. Our mission statement for managing our water resources facilities is expressed in three areas.

1. To surpass all North Carolina and US EPA Clean Water Standards
2. To operate in the most cost-conscious manner possible for our customers
3. To protect and enhance the public health of the New River Basin

COLLECTION SYSTEM PERFORMANCE is critical to our river basin. The Town of Jefferson maintains about 18 miles of sanitary sewer mains, along with five pump stations. In 2016 Jefferson experienced no sanitary sewer overflows. Your Water Resources personnel are involved in daily efforts to protect the integrity of the collection system, including smoke testing and internal video inspection of mains, in addition to ongoing repairs to manholes and related structures. **Please find the attachment regarding the proper disposal of FATS, OIL, & GREASE (FOG) in your home to prevent sanitary sewer overflows in city mains.**

WASTEWATER PLANT PERFORMANCE for 2016 continued in the long tradition of compliance with all discharge permit conditions. The average daily flow at the wastewater plant was 0.210 mgd, which is about 35% of the plant's permitted capacity. Jefferson's WWTP discharges into a section of the New River which is designated by the State of North Carolina as Outstanding Resource Waters. As a result, the Town's discharge permit contains some of the strictest limits issued by North Carolina. The tables below document full compliance with those standards.

April through October

Parameter	Our Discharge, mg/L	Permit Limit, mg/L	Removal Efficiency
BOD	3.4	5.0	97%
TSS	<5.	20.	98%
Ammonia nitrogen	<0.2	2.	n/a
Fecal coliform	39 org./100 mL.	200 org. / 100mL.	n/a

November through March

Parameter	Our discharge, mg/L	Permit Limit, mg/L	Removal Efficiency
BOD	2.4	10.	97%
TSS	<5.	20.	98%
Ammonia nitrogen	<0.2	4.	n/a
Fecal coliform	20.6	200.	n/a

The Jefferson WWTP and its collection system experienced no unresolved permit violations in 2016. You may direct questions regarding water and wastewater issues to Tim Church at (336) 246-2165. Thank you for your cooperation as we continue to protect the waters of the New River Basin.