

This is the ***Performance Annual Report***, 2015 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 effective 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 lines and five pump stations. In 2015 Jefferson experienced no sanitary sewer overflows. Your Water Resources personnel make ongoing efforts to protect the integrity of the collection lines, including smoke testing of mains to locate sources of groundwater infiltration into the system, as well as ongoing repairs to manholes and related structures.

**WASTEWATER PLANT PERFORMANCE** for 2015 continued in the long tradition of compliance with all discharge permit conditions. The average daily flow at the wastewater treatment plant was 0.234 mgd, which is about 40% of the facility's design capacity. Your plant 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 limits much more restrictive than many other wastewater facilities in North Carolina. The tables below document full compliance with those critical standards.

**April through October**

<i>Pollutant</i>	<i>Our discharge, mg/l</i>	<i>Permit limit, mg/l</i>	<i>Removal Efficiency</i>
BOD	4.3	5.0	96%
TSS	<5.	20.	98%
Ammonia nitrogen	<0.2	2.0	n/a
Fecal coliform	24 org./100 ml.	200 org./100 ml.	n/a

**November through March**

<i>Pollutant</i>	<i>Our discharge, mg/l</i>	<i>Permit limit, mg/l</i>	<i>Removal Efficiency</i>
BOD	4.2	10.	96%
TSS	<5.	20.	98%
Ammonia nitrogen	0.4	4.0	n/a
Fecal coliform	7 org. / 100 ml.	200 org. / 100 ml.	n/a

The Jefferson Wastewater Treatment Plant and its sanitary sewer collection system experienced no unresolved permit violations in 2015. You may direct questions or concerns regarding water and wastewater issues to Tim Church (336) 246-2165. Thank you for your assistance as we continue to protect the New River Basin.

**Please see the following page for important information regarding the proper disposal of FATS, OILS, & GREASES in your home to prevent sanitary sewer overflows.**