

This is the **Annual Performance Report**, 2017 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. On October 23, 2017 a storm event produced 5 inches of rain in less than 1 hour. As a result a manhole adjacent to Naked Creek was flooded and resulted in a brief sanitary sewer overflow. The overflow was less than 15 minutes in duration. This event was reported to NC DEQ. **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 2017 continued in a long tradition of compliance with all discharge permit conditions. The average daily flow at the wastewater plant was 0.227 mgd, which is about 38% 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	3.0	5.0	97%
TSS	<5.	20.	98%
Ammonia nitrogen	<0.2	2.	n/a
Fecal coliform	17.2 org./100 mL.	200 org. / 100 mL.	n/a

November through March

Parameter	Our discharge, mg/L	Permit Limit, mg/L	Removal Efficiency
BOD	1.9	10.	97%
TSS	<5.	20.	98%
Ammonia nitrogen	<0.2	4.	n/a
Fecal coliform	12.4 org./100 ml.	200 org./100 ml.	n/a

The Jefferson WWTP and its collection system experienced no unresolved permit violations in 2017. 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 and enhance the waters of the New River Basin.

WANTED: YOUR DRAIN'S WORST ENEMY



The Grease Goblin

LAST SEEN
Loitering in Sinks
and Drains

WANTED FOR
Causing Sewer Overflows

Don't Feed the Grease Goblin!



✓ Put oil and grease in collection containers

✗ Pour oil and grease down drains

✓ Remove oil and grease from kitchen utensils, equipment, and food preparation areas with scrapers/towels/brooms

✗ Wash fryers/griddles, pots/pans, and plates with water until oil and grease are removed


✓ Keep grease out of wash water

✗ Use hot water to rinse grease off surfaces

✓ Place food scraps in collection containers

✗ Put food scraps down drains

Help keep this guy out of your drains and in the hands of the proper authorities!

 N.C. DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF POLLUTION PREVENTION AND ENVIRONMENTAL ASSISTANCE 1-800-753-3136

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