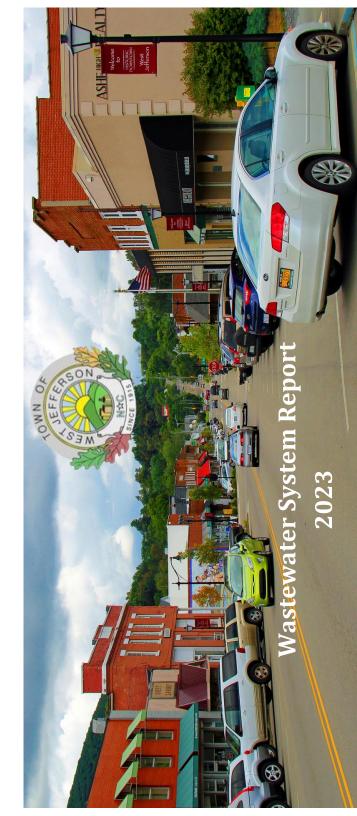


We at the Town of West
Jefferson strive hard to
provide a safe environment
and clean waterways for all.
If you have any comments
or questions, please contact
the West Jefferson Town
Hall at (336) 246-3551
between the hours of 8 am 5 pm Monday through
Friday or Brandon Patrick
ORC at (336) 246-3558
Monday through Friday
between 7:30 am - 4:00 pm

N.C. General Statute Chapter 143, Article 21, Part 1, 143-215.1C requires municipalities that operate wastewater collection and treatment systems to publish an annual report summarizing the perfor- mances of their collection system and treatment works and the extent to which the system has violat- ed their permit, federal or state laws, regulations, or rules related to the protection of water quality.



The Town of West Jefferson operates a wastewater treatment plant with a permitted flow of 0.500 MGD with an average flow of 0.275 MGD. The plant consists of an influent pump station with wet well, a 0.500 MG oxidation ditch, two 0.130 MG secondary clarifiers, tertiary sand filters, UV disinfection system, and 3 digesters for holding and preparing sludge for land application. A belt filter press gives us the ability to continue processing sludge during wet weather and through the winter months. Our small lab has the capability to perform pH testing, temperature readings, MLSS, dissolved oxygen, conductivity, settle-ability, and microscopic analysis of current bacteria within the mixed liquor.

We maintain 19.6 miles of collection lines and four pump stations for proper operation of the collection system. This system serves approximately 1300 people with a total of 840 residential/commercial sewer connections.

The WWTP had no reportable overflows (bypasses) in 2023.

West Jefferson Collection System had two reportable Sanitary Sewer Overflow in 2023 - Permit WQCS00214. A service line at E. Second Street was stopped up, and there was a hole in the force main located in front of Ingles that was fixed promptly.

All discharges of any amount that reach surface waters are reported to the Division of Water Resources. In addition, any spills to the ground that exceed 1,000 gallons are reported. If a discharge of 1,000 gallons or more reaches surface waters, a press release is sent to Ashe Post and Times within 24 hours. If a discharge is more than 15,000 gallons, a public notice is placed in Ashe Post and Times and Press in the area downstream.

This report covers the period of January 01, 2023 - December 31, 2023.

Town of West Jefferson considers any violation of our permit unacceptable and cause for further monitoring

The

Sample

Date

Location

Paramete

Limit

Result

05/15/23

WWTP Effluent

BOD

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.96

Town of West Jefferson WWTP - *Permit NC0020451*WWTP Permit Violations for 2023:

Compliance testing, done according to our NPDES permit requirements, is as follows:

BOD - Weekly Influent/Effluent

TSS - Weekly Influent/Effluent

NH3 - Weekly Effluent

Dissolved Oxygen – Daily on Effluent and Weekly on

Upstream/Downstream (3 days per week June-

September)

pH - Weekly Effluent

Temperature - Weekly Effluent/Upstream/Downstream

(3 days per week June-September)

Fecal Coliform- Weekly Effluent

Conductivity - Daily on Effluent and Weekly on

Upstream/Downstream (3 days per week June-

September)

Total Nitrogen - Quarterly on

Effluent/Upstream/Downstream

Total Phosphorus - Quarterly on

Effluent/Upstream/Downstream

Chronic Toxicity - Quarterly Effluent

Pollutant Scan

Total Hardness - Quarterly Effluent/Upstream

Total Copper - Monthly Effluent

Toluene - Quarterly Effluent

The Town of West Jefferson considers any violation of our permit unacceptable and cause for further monitoring.