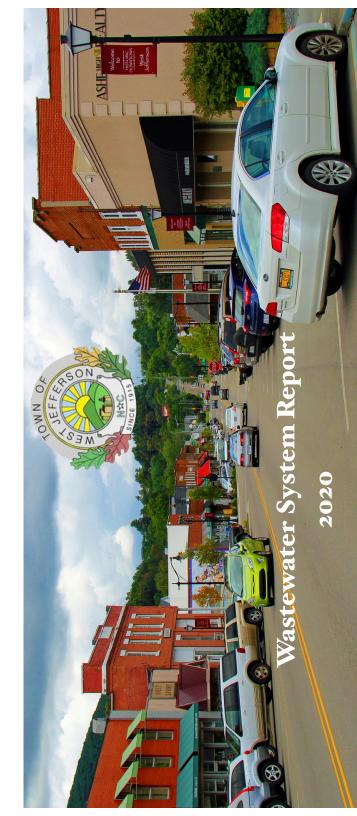


We at the Town of West Jefferson strive hard to provide a safe environment and clean waterways for all. If you have any comments or questions, please contact the West Jefferson Town Hall at (336) 246-3551 between the hours of 8 am -5 pm Monday through Friday or Brandon Patrick ORC at (336) 246-3558 Monday 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 0.347 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 was added to the system, giving 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 2020.

West Jefferson Collection System had no reportable Sanitary Sewer Overflows in 2020 -Permit WQCS00214

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, 2020 - December 31, 2020.

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

Weekly Influent/Effluent

Weekly Influent/Effluent

NH3 - Weekly Effluent

Dissolved Oxygen - Weekly Effluent/Upstream/Downstream (3 days per week June-September)

pH - Weekly Effluent

Fecal Coliform- Weekly Effluent Weekly Effluent/Upstream/Downstream (3 days per week June-September)

Conductivity - Weekly Effluent/Upstream/Downstream (3 days per week June-September)

Total Phosphorus - Semi-Annually Effluent Total Nitrogen -Semi-Annually Effluent

Toxicity -Quarterly Effluent

Pollutant Scan

Total Hardness Quarterly Effluent/Upstream

Total Copper -Monthly Effluent

Total Selenium - Quarterly Effluent

The Town of West Jefferson considers 으 our permit unacceptable cause

WWTP Permit Violations for 2020: Town of West Jefferson WWTP Permit NC002045

Parameter

08/22/20	04/30/20	04/25/20	04/18/20	04/15/20
WWTP Effluent	WWTP	WWTP Effluent	WWTP Effluent	WWTP Effluent
вор	Copper	TSS	SST	Copper
7.5	37 ug/l	15 mg/l	15 mg/l	52 ug/l
8.5	53 ug/l	16 mg/l	19 mg/l	53 ug/l
Due to excessive rains. We are remediating sewer lines for I&I.	37 ug/l is the monthly limit. We did not have enough time to pull another sample after receiving results.	Due to excessive rains. We are remediating sewer lines for I&I.	Due to excessive rains. We are remediating sewer lines for I&I.	Due to excessive rains. We are remediating sewer lines for I&I.