



P.O. Box 2787 • 100 Water Street • Lewisburg, Tennessee 37091

June 4, 2024

Sara Elias, Manager, Compliance and Enforcement
State of Tennessee, Dept of Environment and Conservation
Division of Water Resources, Davy Crockett Tower
500 James Robertson Parkway, 9th Floor
Nashville, TN 37243-1204

SENT VIA ELECTRONIC MAIL TO: DRWWater.compliance@tn.gov

Subject: WRITTEN EXPLANATION OF NOTICE OF VIOLATION
LEWISBURG WATER & SEWER DEPARTMENT – CORNERSVILLE STP
NPDES PERMIT TN 0061841
MARSHALL COUNTY, TENNESSEE

Dear Ms. Elias

Lewisburg Water and Wastewater Department operates and maintains the Cornersville Waste Treatment Facility. On staff we have four Grade IV operators and two trainees. This treatment facility collects overflow from septic tank (STEP system) with an influent high in ammonia, approximately 40 mg/l and low in BOD, approximately 80 mg/l. This 2:1 ratio is far lower than the normal domestic ratio of 10:1, making this plant a challenge to operate.

During the period between late January and early March we experienced very cold water and higher than normal flows. Customers were dripping faucets and we had two significant rain events during this time. To keep the FET (1.0 MG Tank) from overflowing we tried to increase capacity through the treatment process and as a result experience higher ammonia levels in the effluent. As the flows were decreased and temperatures increased the treatment of ammonia was achieved and the plant was back in compliance with no further violations to date.

The flow numbers for the months of January, February and March seem high. We have determined the flow meter is slightly out of adjustment and have contacted a contractor to help resolve this. We are also checking the data between the flow meter and the SCADA. This was an oversight on the operators, and we are committed to keeping track of the numbers in the future.

If further information is needed, please let us know.



Trigg Cathey, General Manager