

# Town of Murphy

## Collection System Report

July 2021 - June 30, 2022

Prepared: July 15, 2022

Town of Murphy  
P.O. Box 130  
Murphy, NC 28906

Mayor – Tim Radford - 828-837-2510, ext. 3

Town Manager - Chad Simons - 828-837-2510, ext. 4

Collection System Operator - Tyler White - 828-557-1267

Collection System Permit WQCS#00132

## **Collection System Components and Operation**

The Town of Murphy's wastewater collection system, located in Cherokee County, consists of 15 pump stations with about 34 miles of collection lines. All wastewater from the collection system is transported by other lift stations into pump station #1, which is located approximately 2,300 feet from the wastewater treatment plant. Pump station #1 pumps directly into the head works at the wastewater treatment plant.

The Town of Murphy currently has a wastewater treatment plant permitted to discharge 1.4 mgd. The treatment system is a biological activated sludge process. It uses two (2) 750,000 gallon SBR tanks as treatment units. This system uses a sludge press in order to dewater the sludge prior to disposal instead of the drying beds that were used when the old plant was in service. The processed sludge is hauled to the county's landfill for proper disposal.

### **System Performance**

The Town will continue to work diligently in monitoring and rehabbing our collection system. Having older pump stations and collection lines remain major priorities for the town. Town personnel regularly perform preventative maintenance, such as jetting, root control, and smoke testing when needed. Line inspections are performed on a regular basis to ensure proper structural performance.

### **DEFICIENCIES**

On February 3, 2022 the Town reported a sanitary sewer overflow at 1130 Valley River Avenue, beginning at 10:50 a.m. and ending at 11:30 a.m. An estimated 700 gallons of raw sewage discharged into Brittain Creek as a result of an inflow and infiltration from heavy rain and debris blocking the line. Town of Murphy crews ran the jetter through the line and cleared the debris. There were no known environmental impacts. Notification of the incident was reported to NCDWQ with the 24 hour period, with the submittal of the 5 day report soon thereafter.

### **Notification**

The Town of Murphy will advertise on our utility bills and in the *Cherokee Scout*, Cherokee County's largest general circulation newspaper that the Collection System Performance Report will be available for review at City Hall, located at 5 Wofford Street, Murphy, NC 28906. Anyone wishing to see the report may also obtain a copy online at [townofmurphphync.com](http://townofmurphphync.com)

### **Certification**

I certify under penalty of law that this report is complete and accurate to the best of my knowledge. I further certify that this report has been made available to the users or customers of the named system, and that those users have been notified of its availability.

  
\_\_\_\_\_  
Tyler White, Collection System ORC

  
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Date