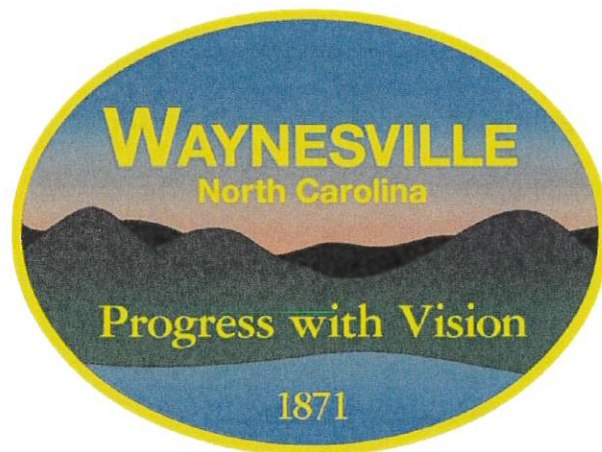


# Wastewater Collections Annual Performance Report

January 1, 2024-December 31, 2024



**Town of Waynesville Public Works Department**

**129 Legion Drive**

**Waynesville, NC 28786**

**(828) 456-3706**

## **TOWN OF WAYNESVILLE, NORTH CAROLINA**

### **WASTEWATER COLLECTION SYSTEM**

#### **ANNUAL PERFORMANCE REPORT**

**Reporting Period: January 1, 2024 – December 31, 2024**

#### **1. GENERAL INFORMATION**

Responsible Entity:

Town of Waynesville, North Carolina

Public Works Director:

Ricky Bourne, Public Works Director

Persons in Charge:

- Wayne Bolin – Water/Sewer Maintenance Superintendent
- Charles Dills – Wastewater Treatment Plant Superintendent
- Laura Yonkers – Deputy Director of Public Works

Collection System Permit:

WQCS00039

Wastewater Collection System:

Approximately 69 miles of wastewater collection lines

#### **2. COLLECTION SYSTEM OVERVIEW**

The Town of Waynesville operates and maintains approximately 69 miles of wastewater collection system within its service area. The collection system conveys wastewater generated within the Town of Waynesville as well as wastewater received from neighboring jurisdictions and service areas.

The wastewater collection system receives flows from:

- Town of Waynesville
- Town of Clyde
- Lake Junaluska
- Junaluska Sanitary District

Wastewater collected through the system is conveyed to the Waynesville Wastewater Treatment Plant for treatment. Following treatment, the plant's treated effluent is discharged to the Pigeon River in accordance with applicable regulatory requirements.

The Town's wastewater collection system requires ongoing inspection, preventive maintenance, repair, cleaning, and rehabilitation to maintain system capacity, reliability, and compliance.

### **3. COLLECTION SYSTEM MAINTENANCE AND IMPROVEMENTS**

During the 2024 reporting period, the Town of Waynesville performed routine and corrective maintenance throughout the wastewater collection system. These activities were conducted to maintain the integrity and functionality of the system, reduce the potential for sanitary sewer overflows, address damaged infrastructure, and maintain reliable wastewater conveyance.

#### **2024 Maintenance Activities**

Cleanout caps missing or damaged 26

Manholes raised or repaired 5

Service laterals repaired 61

Damaged sewer mains repaired 6

Sewer mains cleaned 8.2 miles

Manholes regouted 8

Total wastewater collection system 69 miles

The maintenance activities completed during the reporting period reflect the Town's continued efforts to identify and address deficiencies within the wastewater collection system. Repairing service laterals, sewer mains, manholes, and cleanout structures helps maintain system reliability and reduce the potential for blockages, infiltration and inflow, structural failures, and sanitary sewer overflows.

### **4. SANITARY SEWER OVERFLOWS**

During the 2024 reporting period, the Town documented sanitary sewer overflow events at the locations listed below.

| <b>Date</b>        | <b>Location</b>           |
|--------------------|---------------------------|
| January 25, 2024   | 699 Access Road           |
| January 29, 2024   | 699 Access Road           |
| May 19, 2024       | 699 Access Road           |
| May 30, 2024       | 699 Access Road           |
| September 26, 2024 | 1329 Old Howell Mill Road |
| December 29, 2024  | 1329 Old Howell Mill Road |

**Total SSO entries reported: 6**

The Town will continue to monitor these locations and the collection system as a whole for recurring operational or structural issues. Locations experiencing repeated overflow events will be evaluated for contributing factors and, where appropriate, additional preventive maintenance, inspection, rehabilitation, or capital improvements.

The Town's continued maintenance and inspection efforts are intended to identify potential system deficiencies and address conditions that may contribute to sanitary sewer overflows.

## **5. AERIAL CROSSINGS AND PRIORITY LINE INSPECTIONS**

As part of the Town's wastewater collection system inspection and maintenance program, wastewater lines crossing creeks and other waterways are considered priority locations for inspection due to their potential exposure to erosion, flooding, scour, structural deterioration, and other environmental factors.

### **Richland Creek**

1. 16-inch Golf Course Road Collector at the US 19 Bridge
2. 24-inch South Lakeshore Trunk at US 19
3. 12-inch Raccoon Creek Interceptor at Little Champion
4. 24-inch South Lakeshore Trunk at Little Champion
5. 30-inch Trunk at Little Champion
6. 18-inch Trunk at the Old Lea Industries
7. 8-inch Old Dayco Control Manhole

## Raccoon Creek

1. 10-inch Industrial Park Collector at Little Champion
2. 10-inch Raccoon Creek Interceptor at Howell Mill Road
3. 10-inch Old Health Department Collector at Junaluska Elementary
4. 10-inch Raccoon Creek Interceptor at Francis Farm Road

## Shelton Branch

1. 18-inch Shelton Branch Interceptor at US 276/Pigeon Street
2. 10-inch Shelton Branch Interceptor at Conley Street near Broad Street
3. 10-inch Shelton Branch Interceptor at Jarvis Street near Broad Street
4. 6-inch Collector at the end of Ross Street
5. 6-inch Collector at the end of Prevost Street
6. 8-inch Collector between Prevost Street and Oakdale Road
7. 18-inch Shelton Branch Interceptor at Vance Street and Parkview Drive

These aerial and creek-crossing locations represent areas where continued inspection and maintenance are important to protect the integrity of the wastewater collection system. The Town will continue to evaluate these locations based on observed conditions, maintenance history, erosion potential, hydraulic conditions, and other factors that may affect the reliability of the collection system.

## 6. SUMMARY

During the 2024 reporting period, the Town of Waynesville continued to operate and maintain approximately 69 miles of wastewater collection infrastructure. Maintenance activities included the repair or replacement of 26 missing or damaged cleanout caps, five manholes, 61 service laterals, and six damaged sewer mains. The Town also cleaned approximately 8.2 miles of sewer mains and regouted eight manholes.

The Town documented six sanitary sewer overflow entries during 2024, including four events at 699 Access Road and two events at 1329 Old Howell Mill Road. The Town will continue to monitor these locations and evaluate recurring issues to determine whether additional maintenance, inspection, rehabilitation, or capital improvements are necessary.

These activities represent continued investment in the Town's wastewater collection infrastructure and support the Town's objective of maintaining reliable wastewater service

while reducing the potential for blockages, infiltration and inflow, structural failures, and sanitary sewer overflows.

The Town will continue to evaluate collection system maintenance and capital improvement needs based on field observations, maintenance history, reported problems, system conditions, regulatory requirements, and operational needs.

This report has been made available on the Town's website, [www.townofwaynesvillenc.gov](http://www.townofwaynesvillenc.gov) and may also be requested through the Public Works Division at (828) 456-3706.

## **REPORT CERTIFICATION**

Reporting Period:

January 1, 2024 – December 31, 2024

Collection System Permit:

WQCS00039

Responsible Entity:

Town of Waynesville, North Carolina

Public Works Director:

Ricky Bourne, Director of Public Works

I certify under the penalty of law that this report is complete and accurate to the best of my knowledge. I further certify that this report will be made available to the customers of the named system.

Date: 10-5-26

Signature: Ricky Bourne