



Utilities Division

Public Utilities Director: Reggie Bowers

Wastewater Collection System ID #: WQCS00190



Copies of this report are available at the following locations:

Oakboro Town Hall:	109-A N. Main St., Oakboro, NC 28129
Oakboro Public Works:	624 N. Dorsett St., Oakboro, NC 28129
Environmental & Natural Resource Center	919 N. Main St., Mooresville, NC 28115

Town of Oakboro 2024-2025

Table of Contents

Page #1 Cover

Page #2 Table of Contents

Page #3 General Information/Background and Intent

Page #4 Wastewater Collection Description & Cleanings

Page #5 Sewer Collection on System Improvements & SSOs

Page #6 Wastewater Treatment Process & Monthly Billing Flows

2024-2025 Oakboro Sewage Collection Report

General Information:

Facility Name:	Town of Oakboro Collection System
Responsibility Entity:	Town of Oakboro
Operator in Responsible Charge:	Tommy Gibbons
Backup ORC	Leon Dennis III

Applicable Permits: WQCS00190 Collection System

Background and Intent:

House Bill 1160, the Clean Water Act of 1999, was ratified by the North Carolina General Assembly on July 20, 1999 and signed into law by the Governor on July 21, 1999. This legislation placed significant reporting requirements on entities that own or operate wastewater systems.

Reporting requirements include specific items such as the number of wastewater overflows, violations of permit conditions or environmental regulations, as well as the impact of any such violations on the environment and the corrective measures taken to minimize recurrences.

The Town of Oakboro Utility Division establishes compliance through this annual report and shares with how they can help ensure the collection system's reliability.

1. Wastewater Collection Description:

The Town of Oakboro accepts wastewater from the Towns of Locust, Stanfield, and Red Cross areas. Oakboro collection system includes approximately (13.0) miles of gravity sewer, (6.5) miles of sewer force main, (2.0) miles of pressure sewer, (12) sewer lift stations and over 226 gravity sewer manholes. The collection system serves 1054 Oakboro accounts.

The sewer generated is transported through the lift stations to the Stanly County wastewater treatment facility located at 24939 Barbies Grove Rd. Oakboro NC.

The water and sewer maintenance includes (4) staff members who operate, maintain, and repair the collection system.

2. Collection System Cleaning Projects

The Town of Oakboro continually performs proactive preventative maintenance to the collection system to prevent wastewater overflows. The Town proactively inspects and cleans 10% of its collection system for prevention of sanitary sewer overflows (SSO'S).

The following general line cleaning maintenance projects were completed during this reporting year: wastewater collection system:

(A) Line cleanings various areas throughout town. The Total amount cleaned and inspected was 1.1 miles.

(B) Manhole Inspections trotter Ridge, Long Street and Center Street locations.

3. Sewer Collection System Improvements

Project Major: All major projects were completed in 2023-2024 and are awaiting approval for the Town to officially take over new project's services.

4. Wastewater Collection System Overflows: Zero SSO'S

The Town of Oakboro is proud to announce that the Town had Zero reportable sanitary sewer overflows.

The Town reports in accordance with North Carolina General Statutes and NCDEQ guidance. Discharges of untreated wastewater to surface waters of the State or overflows that exceed 1,000 gallons are reported to NCDEQ.

Customers are reminded that they have a part in maintaining the Town's wastewater system.

Never put oils, liquid or solid greases, fatty meat, or other food scraps down a drain – even if you use a motorized garbage disposal or use hot water to melt grease.

Never flush disposable wipes, paper towels, cotton swabs, or similar items.

Always remove solidified grease from kitchen utensils, equipment, and food preparation areas with scrapers or paper towels and dispose of scrapings and towels in trash cans.

Report anyone discharging liquids or other substances into open municipal sewer manholes or acts of vandalism to manholes, sewers, other structures to the Public Utilities at 704-485-3351.

The Town is continually improving its spill protection plan which assists in any emergency spill events that may occur. The Town has updated all emergencies contacts to include outside entities and public notice numbers.

5. Wastewater Treatment Process:

Stanly County Master Pump Station and Treatment Facility

Master Lift Station: Bar Screen for solids removal, dual lift pumps and backup generator.

Wastewater Treatment Plant:

- (1) Huber influent grit and solids bar screen removal system
- (2) 600,000 Gallon aeration basin
- (2) secondary clarifiers
- (2) Dual chlorine contacts chambers
- (1) De-chlorination system for removal of chlorine prior to discharge of effluent into NPDES discharge point.
- Effluent Flow Metering device
- Aerobic Digester for biosolids reductions
- Biosolids are applied as a land application at permit application sites used for fertilizer.

6. Wastewater Sewer Monthly Flows Billed

Oakboro Sewer Sold

2024-2025	Gallons
24-Jul	7,133,138
24-Aug	8,518,732
24-Sep	7,950,671
24-Oct	5,698,527
24-Nov	4,641,498
25-Dec	7,332,892
25-Jan	6,400,944
25-Feb	10,078,823
25-Mar	7,092,603
25-Apr	7,084,667
25-May	10,570,994
25-Jun	6,108,714