



Utilities Division

Public Utilities Director: Reggie Bowers

Wastewater Collection System ID #: WQCS00190

North Carolina



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 2022-2023

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

2022-2023 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 area. Oakboro collection system includes approximately (11.0) miles of gravity sewer, (5.0) miles of sewer force main, (2.0) miles of pressure sewer, (11) sewer lift stations and over 200 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 pro-active preventative maintenance to the collection system to prevent wastewater overflows. The Town proactively inspects and clean 10% of its collection system for prevention of sanitary sewer overflows (SSO'S).

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

- (A) Pine Street
- (B) St. Martin Road
- (C) So. Main St
- (D) Various other areas throughout town.

3. Sewer Collection System Improvements

Project Major: Charlotte Pipe / Forrest Creek Subdivision

New Lift Station with (3) 25 hp pumps and Auxiliary Generator

Capacity average daily flow 130,000 gal./Day

Install 10" Gravity Sewer 10,511' linear feet.

Install Manholes 26

Install 10" Force Main 7,200 linear feet.

4. Wastewater Collection System Overflows:

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. Part of the plan is to update all emergency

contacts to include outside entity contacts and public notice numbers. This is available upon request.

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 land applied at permit application sites used for fertilizer.

6. Wastewater Sewer Monthly Flows Billed

Oakboro Sewer Sold

2022-2023	Gallons
22-Jul	4,657,104
22-Aug	5,194,927
22-Sep	3,795,632
22-Oct	3,796,742
22-Nov	3,739,310
22-Dec	3,709,174
23-Jan	4,117,399
23-Feb	3,646,739
23-Mar	3,338,805
23-Apr	4,188,515
23-May	3,773,565
23-Jun	4,218,807