

Town of Liberty, NC

Wastewater Treatment Plant
and
Collection System

2025 Annual Report

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I. General Information

Name of Regulated Facility

Town of Liberty

The Town of Liberty is permitted through the State of North Carolina to operate a spray irrigation wastewater treatment facility and operate the wastewater collection system.

Responsible Persons

Elix T. Fike is the treatment plant operator responsible in charge (ORC).

Kevin Coble is the collection system operator responsible in charge (ORC).

Scott Kidd, Town Manager is the responsible person for the Town of Liberty facilities and can be contacted at (336) 622-4276.

Permit Number

Wastewater Treatment Facility Permit Number: WQ0003090

Wastewater Collection System Permit Number: WQCS00280.

The wastewater treatment facility is a spray irrigation system located at 7178 East Highfill Avenue. The treatment process consists of a manual bar screen, a lagoon, chemical treatment, and effluent pump station. The Town is permitted for 550,000 gallons per day of sewage. The sewage enters the plant and goes through the bar screen which removes all solids. The solids are removed and disposed of by Republic Waste. The flow then proceeds to a three (3) pump influent station that pumps the sewage to the lagoon. The lagoon is a natural occurrence system that separates the remaining solids from the liquid. The solids settle to the bottom of the lagoon with the water staying to the top. After a 88 day detention time, the water is then treated with chlorine to remove all fecal coliform bacteria. The next process is to spray the effluent onto the spray fields. We maintain one hundred eighty (180) acres of spray fields. The spray fields are broken down into eight (8) zones. The Town of Liberty contracts the cutting and removal of the fields for hay.

The Town of Liberty collection system consists of approximately 23 miles of sewer lines. The lines vary in size from four (4") inches to twenty four (24") inches in diameter. The collection system also consists of eight (8) lift stations that carry the wastewater to the treatment facility. Operators make daily checks on the outfall lines and lift stations. The public works crew along with contracted maintenance is responsible for the mowing and clearing of the outfall lines for easy access in case of any emergencies.

II. Performance

The Town's most recent Compliance Evaluation Inspection of the Wastewater Treatment Plant was February 27, 2025. The inspection mostly reflects compliance with Permit No. WQ0003090.

All items continue to be monitored by the ORC.

It is our goal to continue to find ways to improve the operations of the Wastewater Treatment Facility and Collection System as we go forward.

Overflows at the Wastewater Treatment Plant

Date	Amount (gallon)	Cause
01/10-16/2025	435,000	I&I due to rainfall of 1.0" and snow of 2.0"
01/21-25/2025	504,000	I&I due to rainfall of 1.5"
02/04/2025	16,800	I&I due to rainfall of 1.0"
02/13/2025	1,000	I&I due to rainfall of 2.3" and pump failure
02/13-28/2025	1,164,000	I&I due to rainfall of 2.5"

Overflows in the Collection System

Date	Amount (gallons)	Location	Cause
7/6/2025	765 gallons	4249 Starmount Rd. Manhole #601	Severe Natural Condition & I&I
7/6/2025	2700 gallons	6937 Kinro Rd. Manhole #500B	Severe Natural Condition & I&I
7/6/2025	765 gallons	516 W. Kime Ave. Manhole #400	Severe Natural Condition & I&I
7/6/2025	3630 gallons	616 W. Moffitt Ave. Manhole #300	Severe Natural Condition & I&I
7/6/2025	765 gallons	516 W. Kime Ave. Manhole #400A	Severe Natural Condition & I&I

Description of Corrective Measures

See Special Order By Consent

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III. Notification

The Town of Liberty will add a notation on the next water bill about the availability of this report. The report will be at Liberty Town Hall for viewing at 126 South Fayetteville St.

The report will also be posted on the Town Website at <http://www.liberty-nc.com>, under Departments, Public Works, Water and Sewer Department.

IV. Certification

2025 Annual Report Certification Form

System Name: Town of Liberty

Wastewater Permit # WQ0003090

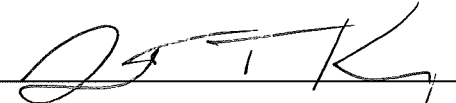
Collection Permit # WQCS00280

Report Year: 2025

Population Served: 2,747

The wastewater system operator named above hereby confirms that all provisions under the House Bill 1160 requiring the development of, distribution of, and notification of an annual report have been executed. Further, the system operator certifies the information contained in the report is correct and consistent with the compliance monitoring data previously submitted to the primacy agency by their NC certified laboratory.

Certified by: **Name:** Scott Kidd **Title:** Town Manager

Signature: 

Phone #: (336) 622-4276 **Date:** 1/23/26