2024
Sewer Collection System Annual Performance Report
Town of Louisburg, North Carolina

General Information

- Facility/System Name: Town of Louisburg, Sewer Collection System
- Responsible Entity: Town of Nashville, Christopher Neal, Mayor
- Operator in Responsible Charge (ORC): Carlton Tabron
- Backup Operator-in-Responsible Charge: Mike Ayscue Jr.
- Applicable Permits: Sewer Collection System: WQCS00113

Collection and Treatment Process

- Mile of Sewer Pipe: 38.2 miles of gravity line and 25 miles of force main
- Number of Manhole: 650
- Number of pump stations: 7
- Sewer line Materials: Vitrified Clay (VCP), Cast Iron (CIP), Ductile Iron (DIP), PVC
- Size of Sewer lines: 4", 6" 12", 15", 18" and 24"
- Age of system: new to more than 100 years' old
- How Wastewater is collected:
    - Gravity carries wastewater from homes and businesses to our lift stations which are in low-lying areas. Our lift stations are pumping between a few thousand gallons per day to more than 250,000 gallons per day. Once the lift station fills with wastewater the pumps will turn on and transport the wastewater through force mains to our cross-country outfall that carries the Town's wastewater to the Town's Wastewater Treatment Plant. The Town of Louisburg owns and operates this facility and has a daily capacity of treating 1.37 million Gallons per Day (1.37 MGD).

Operations & Maintenance

The department of Public Works is responsible for operating and maintaining the Towns Collection System in accordance with all rules and regulations as set forth by the NCDEQ.

- Department of Public Works: 5 employees
- Response: within 1 hour during business hours, within 2 hours' after-hours
- Availability: Staff are available 24 hours/day, 365 days/year to respond
- Duties: install new and repair old lines, mow and maintain outfalls, clean sewer mains and laterals, respond to all sewer-related complaint calls, inspect, and maintain lift stations.
- 7 lift stations are monitored 24 hours/day by level and power parameters with a Supervisory Control and Data Acquisition (SCADA) system to notify staff of any failures.

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Improvements
The Town continued working through its Asset Inventory Assessment with its Engineering Firm making progress on its Capital Improvement and Asset Management Plans.

In 2024 The Public Works Department Completed the following:

- Cleanout caps replace/repaired: 10
- Manholes raised or repaired: 0
- Service laterals repaired: 4
- Repairs to sewer mains: 1
- Feet of Sewer Main cleaned: 20,927

Sanitary Sewer Overflows
The Town's Department of Public Works strives for a goal of zero Sanitary Sewer Overflows (SSO's). SSO's may result from, but are not limited to, inflow and infiltration due to high water levels, restricted lines from rags, roots, grease accumulation, broken pipes, construction activities, and power failures at sewer lift stations. The Town is reducing the potential for SSO's by maintaining back-up generators at lift stations, cleaning collection systems lines, and working to reduce inflow and infiltration by raising manholes. Users/customers of the Town's Collection System can help prevent SSO's by properly disposing of spent household products such as grease/oil, food scraps, and sanitary products into solid waste containers, rather than down the drain.

There were no incidents of sanitary sewer overflows within this reporting period.