

City of Lowell

"2024"

Performance Annual Report

City of Lowell (Wastewater Collection System)

Responsible Entity: City of Lowell

Contact Person: Justin Pearson

Contact Phone# 704-824-1072

Permit # WQCS00164

Note: This report represents wastewater collection system performance and violations. Wastewater treatment annual reports are available to users and customers through separate notifications.

Collection System Description:

The city of Lowell collection system consists of approx. 28 miles of total gravity flow collection line ranging from **8" to 16" inches** throughout the system. The breakdown reads as follows 22.9 miles of 8" line, 0.341 miles of 10", 1.387 miles of 12"line and 3.650 miles of 16" sanitary sewer/collection line.

The collection system also utilizes eight sanitary sewer lift stations, situated at low points throughout the community. Sanitary sewers leaving these lift station sites are pumped through sanitary sewer force mains, ranging from **4" to 6" in diameter**. The total distance of force main throughout the system runs approx., 1.528 miles. The City of Lowell collection systems, as well as **672** manholes are maintained by City of Lowell Public Works Employees.

System Performance for "2024"

The City of Lowell is receiving direct funding to replace the Lynn St and Rhyne Oakland Lift stations in the year 2025-2026. Also, direct funds for upgrades to the City of Lowell Wastewater Treatment Plant. City staff has completed smoke test and 6-point repairs on sewer lines that contribute to the infiltration going to the Lynn St pump station.

The City of Lowell has received planning grant funds to prepare for the bypass and decommissioning of the Wastewater Treatment Plant. Lowell continues to evaluate all options in anticipation of future growth expected to come to Lowell. City staff continues to participate in any/ all discussions with neighboring communities and developers to determine the most efficient way to preserve citizen services and prepare for future development.

Through a cooperative effort between staff, council, and management, we are pleased to report that violations and system malfunctions were addressed proactively in an effort to protect our environment.

	<u>Date</u>	<u>Location</u>	<u>Environmental Impact</u>	<u>Cause</u>
January:	No Violations			
February:	2/21/2024	101 W First St	6825	Winter Storm 2024
March:	No Violations			
April:	No Violations			
May:	No Violations			
June:	No Violations			
July:	7/21/2024	Lynn St Lift	830 Gallons	Torrential rain event
August:	8/8/2024	Lynn St Lift	850 Gallons	Torrential rain event
September:	9/27/2024	Lynn St Lift	480 Gallons	Torrential rain event and power outage
	9/28/2024	110 Reid St	620 Gallons	Torrential rain event and blockage
October:	No Violations			
November:	No Violations			
December:	No Violations			

The collection system annual report, in its entirety can be found for customer or citizen review at the following locations:


- City of Lowell Web Site
- City Hall bulletin board
- City of Lowell Library
- City of Lowell Public Works Dept.

Public notification regarding availability of this report will appear in the City of Lowell August 2025 utility bills and the next quarterly citizen newsletter.

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 has been made available to the users or customers of the City of Lowell have been notified of its availability.

Justin T. Pearson

July 31, 2025



City of Lowell

Public Works Director

704-824-1072

**2024 PERFORMANCE ANNUAL REPORT
WASTEWATER TREATMENT AND COLLECTION SYSTEM**

GENERAL INFORMATION

Facility/System Name: City of Lowell, 101 West First Street, Lowell, NC 28098
Responsible Entity: City of Lowell
Person in Charge/Contact: Daniel Dougherty, Wastewater Plant ORC 704/477-5514
Ron Haynes, Wastewater Backup ORC 828/962-7733
Applicable Permits: NPDES Permit No. NC0025861
Collections System Permit No. WQCS00164
Collection System: Gravity with (9) Sewer Lift Stations
Treatment Process: Activated sludge, Contact Stabilization Process

PERFORMANCE:

The laboratory reports showed compliance in all effluent parameters for calendar year 2024 for NPDES permit No. NC0025861.

Sanitary Sewer Overflows:

There were five spills during the year. The overflows resulted from major storm events and occurred at the Main Lift. Volumes and dates of spills were as follows:

Date	Volume (gal)
1/9/24	12,485
7/21/24	14,268
8/8/24	35,671
9/26/24	35,671
9/27/24	11,890

The spills in September were the result of the extreme rainfall from Hurricane Helene.

Regulatory

A review of the plant operating records shows no NOV's during 2024 for the plant and main lift station.

Capital Improvements completed during the year 2024

There were no capital improvements in the year.

NOTIFICATION:

Notification will be given in the next billing that copies of this report are available at Town Hall.

CERTIFICATION:

I certify under penalty of law that this report is complete and accurate to the best of my knowledge. I further certify that this report has been made available to the users or customers of the named system and that the users have been notified of its availability.

Daniel J. Dougherty
Wastewater Treatment Plant ORC

Date: 1/25/2025

Cc: Tyler Cobb, City Manager Justin Pearson, Public Works Director