

City of Lowell
“2019”
Performance Annual Report

City of Lowell (Waste Water Collection System)

Responsible Entity: City of Lowell

Contact Person: Thomas Shrewsbury

Contact Phone# 704-824-1072

Permit # WQCS00164

Note: This report represents waste water collection system performance and violations. Waste water treatment annual reports are available to users and customers through a separate notification.

Collect System Description:

The city of Lowell collection system consists of approx. 27miles of total gravity flow collection line ranging from 8” to 15” inches throughout the system. The breakdown reads as follows 21.8 miles of 8”line, 0.341 miles of 10”, 1.387 miles of 12”line and 3.650 miles of 15” 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 657 manholes are maintained by City of Lowell Public Works Employees.

System Performance for “2019”

Throughout 2019 the City of Lowell employees continue to place much of their attention on I&I related problems throughout the system. Smoke testing areas of attention included the Western end of NC 7 and North Western Main St. outfalls. The City has identified several deficiencies that were repaired during routine maintenance, these efforts will continue throughout 2020. City staff has applied for and been awarded grants this year in two separate applications. The grants will be used to update mapping and replace aging infrastructure. We are very excited and anticipate this will help to reduce I&I and improve customer service throughout the collection system.

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:	No violations			
March:	No violations			
April:	No Violations			
May:	No violations			
June:	No violations			
July:	No violations			
August:	No violations			
September:	No violations			
October:	10/24/2019	River View Lift	500 Gallons	Equipment Failure
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 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 March 2020 utility bills and the next quarterly citizen newsletter.

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 at the named system and that those users have been notified of its availability.

Thomas E. Shrewsbury
 City of Lowell
 Public Works Director
 704-824-1072

February 26, 2020

**2019 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 704/481-9443
Ron Haynes, Wastewater Backup ORC 828/962-7733
Applicable Permits: NPDES Permit No. NC0025861
Collection System: Collections System Permit No. WQCS00164
Gravity with (8) Sewer Lift Stations
Treatment Process: Activated sludge, Contact Stabilization Process

PERFORMANCE:

The laboratory reports showed compliance in effluent parameters for calendar year 2019 for NPDES permit No. NC0025861.

Sanitary Sewer Overflows:

There were two spills during the year. All of the overflows resulted from rain events. The following list provides the date and volume of the spills/overflow.

Date	Volume (gal)
4/13/19	5,350
12/13/19	5,945

Regulatory

A review of the plant operating records shows no NOV's during 2019 for the plant and main lift station.

Capital Improvements completed during the year 2019

No significant Capital Maintenance work was completed in the year 2019. A list of planned work for 2020 is included in the Plant Maintenance update.

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: 2/18/2020

Cc: Kevin Krouse, City Manager
Thomas Shrewsbury, Public Works Director