

**2018 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
Collections System Permit No. WQCS00164
Collection System: Gravity with (8) Sewer Lift Stations
Treatment Process: Activated sludge, Contact Stabilization Process

PERFORMANCE:

The laboratory reports showed compliance in all effluent parameters for calendar year 2018 for NPDES permit No. NC0025861.

Sanitary Sewer Overflows:

There were three 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)
5-29-2018	14,268
10-11-2018	12,485
11-27-2013	10,701

Regulatory

A review of the plant operating records shows no NOV's during 2018 for the plant and main lift station.

Capital Improvements completed during the year 2018


Capital Maintenance work completed on Blower 1, Extensive work on Pump 2 shaft and coupling, Video surveillance cameras installed at plant

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: 2/28/2019

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

City Of Lowell
“2018”
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

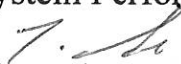
Note: This report represents waste water collection system performance and violations. Waste water treatment annual reports are available to users and customers through a separate notification.

Collection System Description:

The city of Lowell collection system consists of approx. **28miles** of total gravity flow collection line ranging from 8” to 15” inches throughout the system. The breakdown reads as follows **22.2 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 631 manholes are maintained by City of Lowell Public Works Employees.

System Performance for “2018”


Throughout the fiscal year of 2011 and 2012 the City of Lowell employees continue to place much of their attention on I&I related problems throughout the system. City crews focused a great deal of their time on outfall lines and high priority areas. Several areas had tree clearing and grading performed to make for easier access to these isolated areas. The strong economic condition has spurred growth, bringing several new homes and subdivisions to the area. City staff has worked closely with developers to ensure a quality product, reducing the possibility of future collection system issues.

Through a cooperative effort between staff, elected officials 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:	8/16/18	Poplar St. Outfall	840 Gallons	Vandalism
September:	No Violations			
October:	10/11/18	Lynn St. Lift	1800 Gallons	Hurricane Rains
	10/25/18	Pharr Outfall	600 Gallons	Tree Roots
	10/29/18	Lynn St. Outfall	300 Gallons	Tree Roots
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 April 2019 utility bills and June 2019 citizen news letter.

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 28, 2019