

# The Town of Spring Lake

## BOARD OF ALDERMEN

James P. O'Garra, Mayor Pro Tem  
James Christian, Alderman  
Soñia L. Cooper, Alderwoman  
Jackie Jackson, Alderwoman  
Fredricka Sutherland, Alderwoman



CHARTERED IN 1951

## OFFICE OF THE MAYOR

Larry G. Dobbins, Mayor

## ADMINISTRATION

Daniel Gerald, Town Manager  
Rhonda D. Webb, Town Clerk  
S. Ellis Hankins, Town Attorney

February 5, 2019

System Performance Annual Report  
North Carolina Division of Water Quality  
1617 Mail Service Center Raleigh, N.C. 27699-1617

RE: Performance Annual Report For 2018  
Town of Spring Lake N.C.

To Whom It May Concern:

Please find enclosed the original and two (2) copies of the Performance Annual Report for the Town of Spring Lake Collections System and WWTP for calendar year 2018. Please Contact me if you have any questions regarding this report at (910) 436-0241.

Sincerely;

Daniel Gerald, Town Manager

CC: Tim Garner, Water Resources Manager

Town of Spring Lake  
Wastewater Collection System  
System Performance Report  
January 1, 2018 – December 31, 2018

## General Information

Facility/System Name	Town of Spring Lake
Responsible Entity	Town of Spring Lake
Collection System ORC	Roy L Lowder
Collection Systems Contact	Daniel Gerald, Town Manager
Collection System Permit	WQCS00105
WWTP and Land Application ORC	Richard Mendez
WWTP Contact	Daniel Gerald, Town Manager
WWTP Discharge Permit	NC0030970
Land Application Bio Solids Permit	WQ0001086

## Wastewater Treatment Plant and Collection System

The Town of Spring Lake owns and operates its own wastewater treatment system. The wastewater treatment system consists of two sanitary sewer lift stations and a 1.5 MGD wastewater treatment plant. Wastewater Treatment Plant is a Dual Train, Extended Aeration Plant with Secondary Clarification for the separation of liquids and solids, Post Aeration, Chlorination and De-Chlorination. Aerobic Digestion has been supplemented with Lime Stabilization to ensure that the treated Bio-solids produced after plant processing, meet EPA and NCDWQ regulations prior to disposal by land application. A monthly report of plant performance as determined by Laboratory analysis is submitted to the NCDWQ and an annual Bio-solids application report and Laboratory analysis is submitted to the EPA and NCDWQ Non-Discharge Branch. The plant is also responsible for two lift stations in the town's collection system.

The Wastewater Treatment plant produced 59.9 dry tons of bio-solids that were land applied to permitted fields in compliance with the Town's land application permit.

The Town of Spring Lake also owns and maintains approximately 46 miles of gravity sewer line and 2500 feet of force main sewer line. All aerial crossing and rights-of-way are inspected twice yearly and after large storm/flooding events to ensure compliance with the Towns collection permit.

## Compliance Performance

The Spring Lake Wastewater Treatment plant operated in compliance with all NCDEQ regulations as listed under the current discharge permit and received no violations for the reporting period.

The wastewater treatment plant was substantially affected by flooding from Hurricane Florence. Flood waters inundated the operations building and treatment building causing electrical damage to vital treatment operations. The plant was partially off-line in September and October directly after the storm event until damaged equipment could be repaired but achieved full compliance for the months of November and December.

The Spring Lake collections system did not have a reportable sanitary sewer overflow during the reporting period

### Wastewater Treatment Plant Monthly and Yearly Flow

The following table summarizes the amount of raw wastewater treated and released into the Little River.

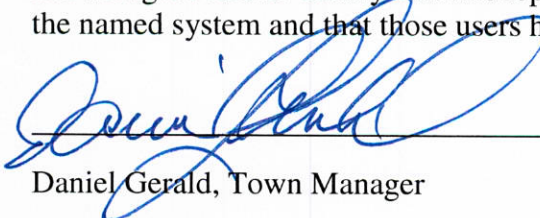
	Flow (gallons)	Avg Daily Flow (MGD)
January 2018	26,111,000	0.84
February 2018	26,675,000	0.92
March 2018	29,958,000	0.97
April 2018	28,716,000	0.96
May 2018	26,655,000	0.86
June 2018	23,540,000	0.78
July 2018	26,385,000	0.85
August 2018	37,044,000	1.19
September 2018	N/A	N/A
October 2018	N/A	N/A
November 2018	41,467,000	1.38
December 2018	44,676,000	1.44
<b>Total</b>	<b>311,227,000</b>	<b>0.85</b>
No flow was reported during the month of September and October due to damaged equipment and flooding from Hurricane Florence. Equipment was still being calibrated during November and December.		

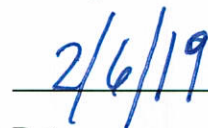
### Notification

A copy of this report has been posted on the Town of Spring Lake website ([www.spring-lake.org](http://www.spring-lake.org)).

### 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 those users have been notified of its availability.

  
 Daniel Gerald, Town Manager

  
 Date