

February 19, 2018

## Annual Performance Report

### I. General Information

Facility/System Name: Town of Spring Lake Regional Wastewater Treatment Plant

Responsible Entity: Town of Spring Lake

Person in Charge/Contact: Richard Mendez (910) 497-5748

Applicable Permits: Wastewater Discharge Permit Number NC0030970

Land Application of Bio-Solids Permit Number WQ0001086

#### Description of Treatment Process:

The Town of Spring Lake Regional 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. No reportable discharges were experienced by the Cedar Creek or Hinkle Lift Station.

### II. Performance

Text Summary of System Performance for Calendar Year 2017:

The Town of Spring Lake Wastewater Treatment processed for discharge into the Lower Little River 343,997,000 gallons of wastewater during the calendar year 2017. While producing the treated effluent the plant produced 137.76 dry tons of Bio-solids for Land Application. The plant flow ranged from a low flow on August 28th of 719,000 gallons to a high flow (driven by Hurricane Matthew) on October 9th of 3,501,000 gallons.

A by month accounting of the system for CY 2017 follows:

*January* – 33,321,000 gallons of treated effluent discharged, No permit violations noted.

*February* – 25,218,000 gallons of treated effluent discharged, No permit violations noted.

*March* – 28,581,000 gallons of treated effluent discharged, No permit violations noted.

*April* – 30,248,000 gallons of treated effluent discharged, Violation: Ammonia Nitrogen & Total Suspended Solids.

*May* – 30,169,000 gallons of treated effluent discharged, No permit violations noted.

*June* – 31,397,000 gallons of treated effluent discharged, No permit violations noted.

*July* – 30,911,000 gallons of treated effluent discharged, No permit violations noted.

*August* – 32,099,000 gallons of treated effluent discharged, No permit violations noted.

*September* – 25,991,000 gallons of treated effluent discharged, No permit violations noted.

*October* – 24,884,000 gallons of treated effluent discharged, No permit violations noted.

*November* – 27,717,000 gallons of treated effluent discharged, No permit violations noted.

*December* – 23,461,000 gallons of treated effluent discharged, No permit violations noted.

During CY 2017, the plant processed 343,997,000 gallons of wastewater and returned it to the surface waters of the state of North Carolina via its permitted discharge point into the Lower Little River.

The Collection system had a total of (0) zero reportable (SSO) Sanitary Sewer Overflows, during the CY 2017:

The Town of Spring Lake has completed the replacement of both screw pumps at the plant. This work is now complete and the plant is set up for success over the next decade. Several inspections were completed during the past year to include a site specific storm water inspection, an inspection of the lab, a review of the land application program and one follow up by NCDENR; no violations were noted and all minor discrepancies have been corrected.

### III. Notification

A copy of this correspondence was placed on the Town of Spring Lake's web site.

### IV. 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.



Tim Garner

February 19, 2018

Water Resources Director  
Town of Spring Lake, NC

2/19/2018