

January 20, 2010

## Performance Annual 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: Byron Blumenfeld (910) 497-5748

Applicable Permits: Wastewater Discharge Permit Number NC0030970 expires May 31, 2011  
Land Application of Bio-Solids Permit Number WQ0001086 expires January 31, 2014

#### 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 2009:

The Town of Spring Lake Wastewater Treatment processed for discharge into the Lower Little River 320,247,000 gallons of wastewater during the calendar year 2009. While producing the treated effluent the plant produced 75.87 dry tons of Bio-solids for Land Application. The plant flow ranged from a low flow on November 6<sup>th</sup> of 583,000 gallons to a high flow on March 1<sup>st</sup> of 1,875,000 gallons.

A by month accounting of the system for CY 2009 follows:

<i>January</i> -	29,103,000 gallons of treated effluent discharged, No permit violations noted.
<i>February</i> -	25,155,000 gallons of treated effluent discharged, No permit violations noted.
<i>March</i> -	34,376,000 gallons of treated effluent discharged, No permit violations noted.
<i>April</i> -	27,586,000 gallons of treated effluent discharged, No permit violations noted.
<i>May</i> -	25,200,000 gallons of treated effluent discharged, No permit violations noted
<i>June</i> -	25,291,000 gallons of treated effluent discharged, No permit violations noted.
<i>July</i> -	24,701,000 gallons of treated effluent discharged, No permit violations noted.
<i>August</i> -	26,870,000 gallons of treated effluent discharged, No permit violations noted.

*September* - 23,722,000 gallons of treated effluent discharged, No permit violations noted.  
*October* - 21,901,000 gallons of treated effluent discharged, No permit violations noted.  
*November* - 26,140,000 gallons of treated effluent discharged, Notice of Violation issued.  
*December* - 30,202,000 gallons of treated effluent discharged, No permit violations noted

During CY 2009, the plant processed 320,247,000 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, which occurred during the CY 2009.

NONE

The Town of Spring Lake has completed the initial study of a "Water Reuse" program to help with water conservation. The Town is currently in the process of applying for grants to finance the implementation of the program. The Spring Lake Regional Wastewater Treatment Facility received a notice of violation in November 2009 with 19 items relating to plant infrastructure noted. Immediate actions were taken to fix all these deficiencies, and NCDENR was notified of the corrections within 45 days. Follow up inspection was scheduled.

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.

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Byron Blumenfeld  
Interim Water Resources Director  
Town of Spring Lake, NC

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Date 20 January 2010