

January 27, 2011

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: Richard Mendez (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 2010:

The Town of Spring Lake Wastewater Treatment processed for discharge into the Lower Little River 320,148,000 gallons of wastewater during the calendar year 2010. While producing the treated effluent the plant produced 64.16 dry tons of Bio-solids for Land Application. The plant flow ranged from a low flow on September 4th of 626,000 gallons to a high flow on February 5th of 2,016,000 gallons.

A by month accounting of the system for CY 2010 follows:

January – 30,449,000 gallons of treated effluent discharged, No permit violations noted.

February – 33,887,000 gallons of treated effluent discharged, No permit violations noted.

March – 30,887,000 gallons of treated effluent discharged, No permit violations noted.

April – 25,291,000 gallons of treated effluent discharged, No permit violations noted.

May – 25,386,000 gallons of treated effluent discharged, No permit violations noted.

June - 25,515,000 gallons of treated effluent discharged, No permit violations noted.

July – 25,095,000 gallons of treated effluent discharged, No permit violations noted.

August – 25,543,000 gallons of treated effluent discharged, No permit violations noted.

September – 24,637,000 gallons of treated effluent discharged, No permit violations noted.

October – 26,697,000 gallons of treated effluent discharged, No permit violations noted.

November – 22,994,000 gallons of treated effluent discharged, No permit violations noted.

December – 23,767,000 gallons of treated effluent discharged, No permit violations noted.

During CY 2010, the plant processed 320,148,000 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 (1) one reportable (SSO) Sanitary Sewer Overflow, which occurred in August during the CY 2010:

A blockage in a line at a new construction site resulted in 1000 gallons of sewage leaking from a manhole. In conjunction with the contractor, the Town of Spring Lake cleaned up and sanitized the area, removed the blockage and verified that no material reached the surface waters of the State. The entire process was completed in less than five hours and the line was returned to service.

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 no notices of violation in 2010. A previously notice of violation (November 2009) was re-visited by NC DENR during March 2010 and all items that were noted had 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.

Byron Blumenfeld Date 27 January 2011
Water Resources Manager
Town of Spring Lake, NC