

**Wastewater System Performance Annual Report  
Fiscal Year 2008-2009  
Town of Clayton**

**I. General Information**

Responsible Entity: Town of Clayton

Wastewater Treatment Facility Name: Little Creek Water Reclamation Facility (LCWRF)

Operators in Responsible Charge: James Warren--LCWRF                      Byron Poelman--Collection System

NPDES Permit: NC0025453 (LCWRF)    Collection System: WQCS00110

Laboratory Certification: 348

Description of Treatment Process and Collection System: The LCWRF is comprised of an automated barscreen, grit chamber, sampling station, flow monitoring, dual oxidation ditches with biological nutrient removal, tertiary filter, ultraviolet disinfection, standby chlorination & dechlorination, sludge thickening , aerated sludge storage and reclaim water. The wastewater collection system is comprised of 29 lift stations, approximately 88 miles of gravity sewer and approximately 19 miles of force main.

**II. Performance**

The collection system recorded a good performance record for the twelve-month period from July 1, 2008 to June 30, 2009. The facility met all the permit conditions during the period.

Sanitary sewer overflows that release 1,000 gallons or more and/or enter surface waters must be reported to the State of North Carolina.

The treatment facility treated 591,137,000 gallons during the period.

The treatment facility experienced no spills during the period and met NPDES permit limits.

The collection system had 12 overflows during the period that did not meet the reporting criteria. The collection system had 8 overflows during the period that did require reporting. These are listed below:

## Reportable Collection System Sanitary Sewer Overflows

Date	Location	Gallons	Cause
07/04/08	308 Damon St.	150,000	Debris in line
07/23/08	723 S. Page St.	3,000	Roots in line
09/02/08	330 Neuse Ridge Dr.	800	Lift Station Controls
09/08/08	1200 N. O'Neil St.	405,800	Lift Station Controls
02/06/09	105 E. Champion St.	200	I&I
04/29/09	504 S. Smith St.	2600	Roots in Manhole
06/16/09	501 S. Page St.	725	Roots in line
06/16/09	108-110 Jones Cr.	4,500	Debris in line

Corrective measures for the overflows included cleaning the line(s) involved and the immediate area(s) in accordance with State guidelines. The system also distributed Grease Public Education materials to all residents in accordance with requirements and to each resident in the basins for each SSO relating to grease. No environmental impacts or adverse health effects were detected.

The following improvements were made to the collection system during the twelve-month period:

- Utility System Mapping, \$31,607
- JMH Lift Station and Force Main, \$449,884
- Sam's Creek Interceptor Line, \$701,256
- Lift Station rebuild,
  - 1) NRLS #2, \$192,848
  - 2) Glen Laurel #2, \$99,979
  - 3) Central, \$43,282
- Chemical Root Control, \$5,609
- Manhole I&I rehab (in-house), \$1,043

The cost of these improvements was approximately \$ 1,525,508.

### **III. Notification**

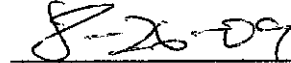
A notice of availability is published in the Clayton News-Star and at [www.townofclaytonnc.org](http://www.townofclaytonnc.org). A report may be picked up from the customer service counter at Town Hall or the Operations Center at 653 NC 42 West. Customers may also call 919-553-1530 to request a copy by mail. It may also be viewed on-line at the Town's Web Site ([www.townofclaytonnc.org](http://www.townofclaytonnc.org)).

**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.



R. Steven Biggs  
Town Manager



Date

This report is drafted to meet the reporting requirements established in House Bill 1160 and the Clean Water Act of 1999.