

Annual Performance Report 2011

General Information

Facility/System Name: City of Laurinburg Water Treatment Plant
Responsible Entity: City of Laurinburg
Person In Charge/Contact: Robert A. Ellis, Treatment Plants Director
Applicable Permit(s): NC0036773

Description of Collection System

The City of Laurinburg operates a 6.0 MGD Water Treatment Facility at 603 Lauchwood Drive. The wastewater that is generated at this facility is the water that is used to backwash the three rapid sand filters, this water is discharged into Big Branch Creek.

Summary of System Performance for Calendar Year 2011

The discharge from the City of Laurinburg's Water Treatment Plant met all permit requirements and had no Notice of Violation (NOV) for the year.

Notification

This Annual Performance Report will appear on the City of Laurinburg's web site <http://www.laurinburg.org> and a statement on our Consumer Confidence Report (CCR) will inform citizens that the Annual Report is available via internet or upon request.

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.

Robert A. Ellis, Treatment Plants Director
Treatment Plants Director
City of Laurinburg
January 24, 2012

Annual Performance Report 2011

General Information

Facility/System Name: Pilkington North American Wastewater Plant
Responsible Entity: City of Laurinburg
Person In Charge/Contact: Robert A. Ellis, Treatment Plants Director
Ricky Odom, ORC
Applicable Permit(s) NC0021661

Description of Collection System

The Pilkington North American Wastewater Treatment Plant is a 30,000 gallons per day wastewater facility with the following components: extended aeration, anaerobic sludge digesters, clarifier and post chlorination. This facility treats only the domestic waste from Pilkington North American Plant.

Summary of System Performance for Calendar Year 2011

The discharge from the Pilkington North American Wastewater Treatment Plant was in non-compliance in July 2011 due to Biochemical Oxygen Demand (BOD) did not meet 85% removal.

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Robert A. Ellis, Treatment Plants Director
Treatment Plants Director
City of Laurinburg
January 24, 2012

Annual Performance Report 2011

General Information

Facility/System Name: City of Laurinburg Leith Creek Wastewater Plant
Responsible Entity: City of Laurinburg
Person In Charge/Contact: Robert A. Ellis, Treatment Plants Director
Applicable Permit(s): NC0020656 / WQ002526 / WQCS00062

Description of Collection System

The City of Laurinburg's collection system consists of 34 pump stations located throughout the system. There are 123.7 miles of gravity sewers and 24 miles of force mains. Our Leith Creek Plant consist of two types of treatment, one extended aeration plant, consisting of 2 aeration basins, 2 clarifiers, 2 chlorine contact chambers and one return sludge pump station with 3 pumps, total capacity 2.0 million gallons per day (MGD).

The second plant is an oxidation ditch style with 1 clarifier, 1 chlorination point and 1 return sludge pump station with 3 dual speed pumps, total capacity 2.0 MGD, for a total treatment capacity of 4.0 MGD. The facility has 2 aerobic digesters, (1) 150,000-gallon tank and (1) 650,000-gallon tank with coarse air diffusers.

Summary of System Performance for Calendar Year 2011

The discharge from the City of Laurinburg's Leith Creek Wastewater Treatment Plant was in non-complaint for the month of September for exceeding Ammonia Nitrogen limits and for the month of October due to exceeding Total Suspended Residue for the week of 10/23 – 10/27. Contributing to the non-compliance was repairs being performed on the extended aeration basin and chlorine contact chambers.

Summary of Sanitary Spills/Overflows:

<u>Months</u>	<u>Location</u>	<u>Volume</u>
07/06/11	1721 Berwick Drive (Bridge Creek)	2,000 Gallons
07/13/11	Manhole at 125 McGirts Bridge Rd.	20,000 Gallons
08/22/11	Leith Creek WWTP	8,000 Gallons (on site at plant)
08/26/11	Leith Creek WWTP	1,200 Gallons (on site at plant)
09/26/11	1721 Berwick Drive (Bridge Creek)	2,500 Gallons

Summary of Sanitary Spills/Overflows (continued):

Sanitary sewer overflow events in which volumes exceeding 1,000 gallons overflowed and reach surface waters are included in the monthly estimates and are shown separately as follows:

<u>Date</u>	<u>Location</u>	<u>Gallons</u>	<u>Description</u>	<u>Corrective Measures</u>
07/06/11	1721 Berwick Dr Bridge Creek	2,000	Excessive Rainfall (2.2 Inches in 1 Hr.)	All Equipment working properly.
07/13/11	Manhole 125 McGirts Bridge Rd.	20,000	Paper & Grease	All Equipment working properly.
08/22/11	Leith Creek WWTP	8,000	Excessive Rainfall (3.5 Inches in 5 Hrs.)	All Equipment working properly.
08/26/11	Leith Creek WWTP	1,200	Excessive Rainfall (3.9 Inches in 4 Hrs.)	All Equipment working properly.
09/26/11	1721 Berwick Dr Bridge Creek	2,500	Excessive Rainfall (3.9 Inches in 4 Hr.)	All Equipment working properly.

*Note the overflows listed resulted in no environmental impact.

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