

Annual Performance Report 2014

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 2014

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
February 5, 2015

Annual Performance Report 2014

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 2014

The discharge from the Pilkington North American Wastewater Treatment Plant met all permit requirements and had no violations.

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Robert A. Ellis, Treatment Plants Director
Treatment Plants Director
City of Laurinburg
February 5, 2015

Annual Performance Report 2014

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 2014

The discharge from the City of Laurinburg's Leith Creek Wastewater Treatment Plant was in non-compliance for the months of June 2014 and December 2014.

The June noncompliance was due to exceeding the monthly limit for fecal coliform. The monthly average for the daily flows of June was 2.13 MGD.

The December 2014 noncompliance was due to plant staff failed to collect monthly samples.

Corrective Measures

For the June noncompliance we increased the dosage of sodium hypochlorite until our fecal began to decrease. Fecal results were reduced and sodium hypochlorite feeding was reduced. We also exceeded the residual chlorine limit with a result of >50, we decreased the feed rate to return this parameter in compliance with our permit.

For the December noncompliance we have developed a schedule on a monthly calendar to prevent this action in the future.

Summary of Sanitary Sewer Spills/Overflows:

<u>Months</u>	<u>Location</u>	<u>Volume</u>
03/11/2014	1721 Berwick Dr.	2500 Gallons
04/02/2014	Aberdeen Rd., behind Food Lion	350 Gallons
09/12/2014	17080 Wagram Rd	450 Gallons
12/23/2014	Bridge Creek @ Berwick Dr.	5500 Gallons

The regional office has been notified. Applications are in process, to obtain grant money to replace and rehab the sewer collection system.

*Note the overflows listed resulted in no environmental impact.

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