

Annual Performance Report 2021

General Information

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

Description of Filter Backwash Discharge System

The City of Laurinburg operates a 8.0 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 2021

The discharge from the City of Laurinburg's Water Treatment Plant met all permit requirements except for toxicity for May and November. We are working with the regional office and the toxicity lab in Raleigh with this issue. We also exceeded the fluoride limit in January due to a filter out of service for maintenance this has been corrected.

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.



Dixon Medlin
Treatment Plants Director
City of Laurinburg

Annual Performance Report 2021

General Information

Facility/System Name: Pilkington North American Wastewater Plant
Responsible Entity: City of Laurinburg
Person In Charge/Contact: Dixon Medlin, Treatment Plants Director
Brianne Murray, ORC
Applicable Permit(s): NC0021661

Description of Wastewater 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 2021

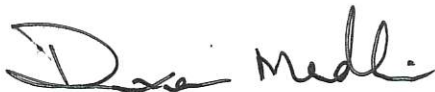
The discharge from the Pilkington North American Wastewater Treatment Plant met all permit requirements for 2021.

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Dixon Medlin, Treatment Plants Director
Treatment Plants Director
City of Laurinburg

Annual Performance Report 2021

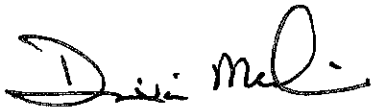
General Information

Facility/System Name: City of Laurinburg Collections
Responsible Entity: City of Laurinburg
Person In Charge/Contact: Stacey McQuage/Collections ORC
Applicable Permit(s): WQCS00062

Description of Collection system

The City of Laurinburg's Collection system consists of 35 pump stations located throughout the system. There are 123.7 miles of gravity sewers and 24 miles of force mains. All our systems are electronically monitored (SCADA) 24 hrs. We inspect and clean 10% of gravity sewer lines per year.

No violations for the collection system for 2021.



Dixon Medlin, Treatment Plants Director
City of Laurinburg

Summary of System Performance for Calendar Year 2021

The discharge from the City of Laurinburg's **Leith Creek Wastewater Treatment Plant** met all Permit requirements except for the following months:

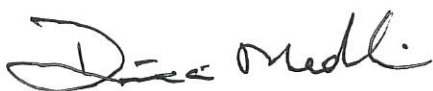
DATE	LOCATION	VOLUME	ENVIRONMENTAL INPACT	CORRECTIVE MEASURES TAKEN
1/1/2021	WWTP	5.8	NONE	We exceeded our monthly effluent flow average for the month due to rain totals for January 2021 was 7 inches and December 2020 we had 4 inches of rain.
2/1/2021	WWTP	5.36	NONE	We exceeded our monthly effluent flow average for the month due to rain totals for January 2021 was 7 inches and February 2021 was 5.89 inches of rain.
2/15/2021	WWTP	900,000	NONE	Discharge without valid permit testing & repairs are being addressed to correct overflows

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Dixon Medlin, Treatment Plants Director
City of Laurinburg

Annual Performance Report 2021

General Information

Facility/System Name: City of Laurinburg Leith Creek Wastewater Plant
Responsible Entity: City of Laurinburg
Person in Charge/Contact: Dixon Medlin, Director/ORC
Applicable Permit(s): NC0020656 / WQ002526

Description of Leith Creek Wastewater Plant

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 course air diffusers.

The City of Laurinburg is now participating in an effort to make available educational information regarding sources of household mercury and appropriate use/disposal practices. This program will facilitate public awareness regarding community collection points for mercury-containing products from residents/customers for proper disposal. Periodic reminders of such collection programs will be provided as part of the City of Laurinburg's Leith Creek WWTP.

Summary of System Performance for Calendar Year 2021

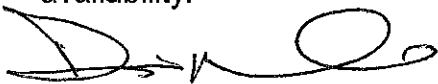
The discharge from the City of Laurinburg's **Leith Creek Wastewater Treatment Plant** met all permit requirements except for the following months.

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- Annual Average Daily Flow - **2,780,000** (gallons per day)
- Maximum Daily Flow/Date - **5,668,000** gallons February 21, 2021
- Total Annual Flow - **1,107,464,000** Gallons

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Dixon Medlin, Treatment Plants Director
City of Laurinburg