



COUNTY OF LINCOLN, NORTH CAROLINA

115 WEST MAIN STREET, 2ND FLOOR CITIZENS CENTER, LINCOLNTON, NORTH CAROLINA 28092

DEPARTMENT OF PUBLIC WORKS

PHONE (704) 736-8497

FAX (704) 736-8499

WWW.LINCOLNCOUNTY.ORG

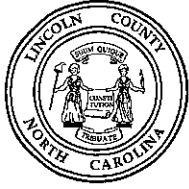
NOTIFICATION OF AVAILABILITY OF THE WASTEWATER PERFORMANCE ANNUAL REPORT OF LINCOLN COUNTY SEWER SYSTEM

House Bill 1160, which the General Assembly enacted in July 1999, requires that municipalities, animal operations, industries and others who operate waste handling systems provide a summarized annual report to its customers and to the Department of Environment and Natural Resources on the performance of the wastewater treatment plant and the collections system over the past twelve months.

In accordance with this regulation, the Lincoln County Sewer System is pleased to provide copies of the Annual Performance Report for review by the public at the following locations:

1. Lincoln County Public Works
115 West Main Street
Lincolnton, NC 28092
(704) 736-8497
2. Lincoln County Water Treatment Plant
7674 Tree Farm Road
Denver, NC 28037
(704) 483-7082
3. Florence Soule Shanklin Branch Library
7937 Fairfield Forest Road
Denver, NC 28037
(704) 483-3589
4. Charles R. Jonas Library
306 West Main Street
Lincolnton, NC 28092
(704) 732-9040
5. West Lincoln Branch Library
5545 West Hwy 27
Vale, NC 28168
(704) 276-9946

For further information please contact Lincoln County Public Works at (704) 736-8497.



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Lincoln County Sewer Collections System Annual Performance Report January 01, 2018 thru December 31, 2018

I. General Information:

Facility/System Name: Lincoln County Sewer System

Responsible Entity: Lincoln County

Permittee: Donald V. Chamblee, Jr. PE – Director of Public Works
115 West Main Street
Lincolnton, N.C. 28092
(704) 736-8497

Operator Responsible in Charge: Michael P. Simmons- Utility Operations Superintendent
115 West Main Street
Lincolnton, N.C. 28092
(704) 736-8497

Applicable Permits: WQCS00149

Wastewater Collections System Description:

The Lincoln County Sewer Collections System consists of approximately 2,884 linear feet of 36" gravity sanitary sewer lines; 2,814 linear feet of 30" gravity sanitary sewer lines; 15,593 linear feet of 24" gravity sanitary sewer lines; 4,951 linear feet of 18" gravity sanitary sewer lines; 18,636 linear feet of 15" gravity sewer lines; 11,805 linear feet of 12" gravity sewer lines; 66 linear feet of 10" gravity sewer lines; 340,271 linear feet of 8" gravity sanitary sewer lines; 5,145 linear feet of 20" force main; 39,909 linear feet of 12" force main; 12,564 linear feet of 10" force main; 16,360 linear feet of 8" force main; 148,814 linear feet of 6" force main; 64,706 linear feet of 4" force main; 4,538 linear feet of 3" force main; 1,032 linear feet of 2" force main; 4,224 linear feet of 6" low pressure sewer lines; 44,190 linear feet of 4" low pressure sewer lines; 75,298 linear feet of 3" low pressure sewer lines; 134,232 linear feet of 2.5" low pressure sewer lines; 52,580 linear feet of 2" low pressure sewer lines; and 42 sewer pump stations serving approximately 6,284 customers.

The low pressure sewer system utilizes individually owned grinder pumps and small diameter pressure lines to collect and convey sewage to the gravity sewer system. Flows from the low pressure and gravity sewer systems are collected at the 42 strategically placed sewer pump stations and pumped via the force mains to the outfall gravity sewer system to be deposited at the Killian Creek Wastewater Treatment Facility (Permit #NC0088722) located at 7085 Old Plank Road, Stanley NC and the City of Lincolnton Wastewater Treatment Facility (Permit #NC0025496) located at 550 West NC 150 Bypass, Lincolnton NC.

II. Performance:

The Lincoln County Sewer Collections System had the following reportable sanitary sewer overflows (SSO's):

- Date:** September 10, 2018
Time: 09:33 am
Location: Lift Station #12
2460 Hwy 16 N
Denver, North Carolina

Incident: A pump malfunction, electrically shorted several wires and tripped the control breaker, which resulted in the loss of power on the 110 volt circuit for control power. The auto dialer was connected to the 110 volt circuit and failed to identify the problem. This caused sewage to flow into a ditch next to the Lift Station. Repairs were made and normal operations were established at 10:15 am on September 10, 2018. Incident was reported to NCDENR.

Spill Amount: 3,000 gallons
Impact: None detected.
Corrective Action: Ground area excess spillage was vacuumed.



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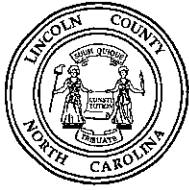
Lincoln County Sewer Collections System Annual Performance Report January 01, 2018 thru December 31, 2018

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III. Notification:

This report is available to all the residents of the County and to the customers of the Lincoln County Sewer Collections System and can be obtained at the following locations:

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(704) 483-3589
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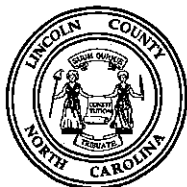
III. Certification:

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 Lincoln County Sewer Collections System and that those users have been notified of its availability.

Handwritten signature of Michael P. Simmons in black ink.

Michael P. Simmons - ORC
Utility Operations Superintendent
Lincoln County Public Works

Date: 2/25/2019



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Lincoln County Sewer System – Killian Creek WWTP Annual Performance Report January 01, 2018 thru December 31, 2018

I. General Information:

Facility/System Name: Killian Creek WWTP

Responsible Entity: Lincoln County

Permittee: Donald V. Chamblee, Jr. PE, Director of Public Works
115 West Main Street
Lincolnton, N.C. 28092
(704) 736-8497

Operator in Responsible Charge: James T. Simmons
7085 Old Plank Rd.
Stanley, N.C. 28164
(704) 735 2314

Applicable Permits: NC0088722

Wastewater Treatment System Description:

Killian creek is a 3.35 MGD facility with the following components:

- Mechanical bar screen with manual bypass screen
- Aerated grit removal basin with grit classifier
- Influent parshall flume with ultrasonic flow recorder
- Influent composite sampler
- 2 Sequencing Batch Reactors with mixers, 4 blowers, diffused air and sludge transfer pumps
- Post equalization basin with 5 pumps and 4 mixers
- 3 Effluent filters
- 2 channel Ultraviolet Disinfection
- Effluent composite sampler
- Effluent V-notch weir with ultrasonic flow recorder
- Static effluent reaeration
- 2 Aerobic sludge digesters with Rotary Drum Thickener and Pump Station
- Sludge holding basin
- Sludge pump station
- 2 Rotary sludge dewatering presses

This facility discharges into Killian Creek, classified C waters in the Catawba River Basin

II. Performance:

Killian Creek WWTP operated in compliance with our NPDES permit during the calendar year of 2018. Compliance was reported on monthly Discharge Monitoring Reports submitted to the North Carolina Division of Water Quality during the year. Killian Creek WWTP had the following reported Notice of Violations (NOV)

- 1) August 1st and 2nd the NH-n3 Ammonia was out of limits causing the WWTP to be out of compliance for the month of August, 2018.
- 2) October, The WWTP failed a quarterly Chronic Toxicity Test. The WWTP was instructed by the DEQ to run a Multi-Dilution Chronic Toxicity Test in November and December, and passed both test.



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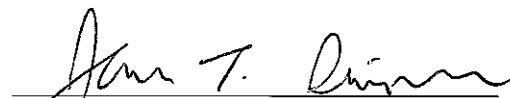
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Stanley, N.C. 28164
(704) 748-2314
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James T. Simmons, ORC
Killian Creek WWTP
7085 Old Plank Rd.
Stanley, NC 28164
(704) 748-2314

DATE:

2/12/19