



Lincoln County Public Utilities

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 Quality 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 Utilities
115 West Main Street
Lincolnton, NC 28092
(704) 736-8495
2. Florence Soule Shanklin Branch Library
7937 Fairfield Forest Road
Denver, NC 28037
(704) 483-3589
3. Charles R. Jonas Library
306 West Main Street
Lincolnton, NC 28092
(704) 732-9040
4. West Lincoln Branch Library
4797 Westwinds Rd
Vale, NC 28168
(704) 276-9946

For further information please contact Lincoln County Public Utilities at (704) 736-8495.



o. 704-736-8495



seth.bradley@lincolncounty.org



115 West Main Street | Room 214 Citizen Center
Lincolnton, NC 28092

Lincoln County Sewer Collections System
Annual Performance Report
January 01, 2023 thru December 31, 2023

I. General Information:

Facility/System Name:	Lincoln County Sewer System
Responsible Entity:	Lincoln County
Permittee:	Andrew Bryant Development Services Director 115 West Main Street Lincolnton, N.C. 28092 (704) 736-8495
Operator Responsible in Charge:	Seth Bradley Public Utilities Operations Superintendent 115 West Main Street Lincolnton, N.C. 28092 (704) 736-8495
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; 15,599 linear feet of 24" gravity sanitary sewer lines; 4,979 linear feet of 18" gravity sanitary sewer lines; 18,951 linear feet of 15" gravity sewer lines; 12,884 linear feet of 12" gravity sewer lines; 429,442 linear feet of 8" gravity sanitary sewer lines; 5,146 linear feet of 20" force main; 39,969 linear feet of 12" force main; 14,836 linear feet of 10" force main; 16,372 linear feet of 8" force main; 158,788 linear feet of 6" force main; 65,953 linear feet of 4" force main; 4,546 linear feet of 3" force main; 1,032 linear feet of 2" force main; 4,224 linear feet of 6" low pressure sewer lines; 43,143 linear feet of 4" low pressure sewer lines; 75,367 linear feet of 3" low pressure sewer lines; 138,656 linear feet of 2.5" low pressure sewer lines; 51,671 linear feet of 2" low pressure sewer lines; and 49 sewer pump stations serving approximately 8,730 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 49 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.



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Lincoln County Sewer Collections System

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II. Performance:

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

1. Date: January 24, 2023
Time: 8:00 am
Location: 3896 Rivendell Rd.
Denver, North Carolina
Incident: There was a failure in a sewer force main. The incident was reported to NCDENR.
Spill Amount: 900 gallons
Impact: None detected.
Corrective Action: The line was repaired and excess sewage was pumped out.

2. Date: April 9, 2023
Time: 9:20am
Location: 7533 S. Little Egypt Rd
Denver, North Carolina
Incident: Power failure and Generator malfunction at Lift Station
Spill Amount: 9,000 gallons
Impact: None detected.
Corrective action: Generator was repaired and restored power, pumps caught up and flow returned to normal.



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3. Date: June 27,2023
Time: 2:45pm
Location: 6127 Sherwood Ln.
Denver, North Carolina
Incident: Blockage in the gravity mainline.
Spill Amount: 1,600 gallons
Impact: None detected.
Corrective action: Blockage was removed allowing flow to return to normal, excess sewage was cleaned up.

4. Date: November 13,2023
Time: 10:50am
Location: 7428 Mountain Ridge Dr.
Denver, North Carolina
Incident: Pump Station Failure
Spill Amount: 2,200 gallons
Impact: None detected.
Corrective action: Reset power to get station back online, once pumps caught up flow returned to normal.



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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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Lincoln County Sewer Collections System
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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.

Seth Bradley

Date: 1-11-2024

Seth Bradley - ORC

Public Utilities Operations Superintendent

Lincoln County Public Utilities



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Lincoln County Sewer System – Killian Creek WWTP Annual Performance Report

January 01, 2023 thru December 31, 2023

I. General Information:

Facility/System Name:	Killian Creek WWTP
Responsible Entity:	Lincoln County
Permittee:	Andrew Bryant Development Services Director 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



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115 W. Main St | LINCOLNTON NC 28092



**Lincoln County Sewer System – Killian Creek WWTP
Annual Performance Report**

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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



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**Lincoln County Sewer System – Killian Creek WWTP
Annual Performance Report**

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II. Performance:

Killian Creek WWTP operated in compliance with our NPDES permit during the calendar year of 2023. 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) February 11th 2023 The Fecal Coliform was out of Limits causing the WWTP to be out of compliance for the week. A civil penalty was issued.

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2. Lincoln County Water Treatment Plant
7674 Tree Farm Road
Denver, N.C. 28037
(704) 483-7082
3. Killian Creek Wastewater Treatment Facility
7085 Old Plank Rd.
Stanley, N.C. 28164
(704) 748-2314
4. Florence Soule Shanklin Branch Library
7937 Fairfield Forest Road
Denver, NC 28037
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**Lincoln County Sewer System – Killian Creek WWTP
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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 Lincoln County Sewer System and that those users have been notified of its availability.

James T. Simmons

DATE: 01/30/2024

James T. Simmons, ORC
Killian Creek WWTP
7085 Old Plank Rd.
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