



Lincoln County Public Works
Chris Henderson

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. 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 Works at (704) 736-8497.



o. 704. 736. 8497
f. 704. 736. 8499



chenderson@lincolncounty.org



115W.Main St | LINCOLNTON NC 28092



Lincoln County Public Works
Chris Henderson

Lincoln County Sewer Collections System Annual Performance Report

January 01, 2021 thru December 31, 2021

I. General Information:

Facility/System Name: Lincoln County Sewer System

Responsible Entity: Lincoln County

Permittee: Chris Henderson
Public Utilities Manager
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



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Lincoln County Sewer Collections System
Annual Performance Report
January 01, 2021 thru December 31, 2021

(Page 2)

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; 15,591 linear feet of 24" gravity sanitary sewer lines; 4,979 linear feet of 18" gravity sanitary sewer lines; 18,640 linear feet of 15" gravity sewer lines; 12,285 linear feet of 12" gravity sewer lines; 417,161 linear feet of 8" gravity sanitary sewer lines; 5,146 linear feet of 20" force main; 39,921 linear feet of 12" force main; 12,233 linear feet of 10" force main; 16,372 linear feet of 8" force main; 161,796 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; 43,714 linear feet of 4" low pressure sewer lines; 75,333 linear feet of 3" low pressure sewer lines; 137,010 linear feet of 2.5" low pressure sewer lines; 50,410 linear feet of 2" low pressure sewer lines; and 49 sewer pump stations serving approximately 15,042 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.





Lincoln County Sewer Collections System
Annual Performance Report
January 01, 2021 thru December 31, 2021
(Page 3)

II. Performance:

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

- | | |
|--------------------|--|
| Date: | October 22, 2021 |
| Time: | 7:45 am |
| Location: | 7922 Webbs Rd.
Denver, North Carolina |
| Incident: | A Low pressure lateral broke, spilling sewage on the ground. Repairs were made and the area was cleaned up. The incident was reported to NCDENR. |
| Spill Amount: | 1200 gallons |
| Impact: | None detected. |
| Corrective Action: | Ground area excess spillage was vacuumed and lime was applied. |





Lincoln County Sewer Collections System
Annual Performance Report
January 01, 2021 thru December 31, 2021

(Page 4)

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:

1. Lincoln County Public Works
115 West Main Street
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(704) 736-8497
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Lincoln County Sewer Collections System
Annual Performance Report
January 01, 2021 thru December 31, 2021

(Page 5)

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.

Michael P. Simmons

Date: 2/22/2022

Michael P. Simmons - ORC

Utility Operations Superintendent

Lincoln County Public Works



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**Lincoln County Sewer System – Killian Creek WWTP
Annual Performance Report
January 01, 2021 thru December 31, 2021**

I. General Information:

Facility/System Name:	Killian Creek WWTP
Responsible Entity:	Lincoln County
Permittee:	Chris Henderson Public Utilities Manager 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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Lincoln County Sewer System – Killian Creek WWTP
Annual Performance Report
January 01, 2021 thru December 31, 2021
(Page 2)

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





**Lincoln County Sewer System – Killian Creek WWTP
Annual Performance Report
January 01, 2021 thru December 31, 2021
(Page 3)**

II. Performance:

Killian Creek WWTP operated in compliance with our NPDES permit during the calendar year of 2020. 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) September 18th 2021 the NH-n3 Ammonia was out of limits causing the WWTP to be out of compliance for the Week. No civil penalty issued.

III. Notification:

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**Lincoln County Sewer System – Killian Creek WWTP
Annual Performance Report
January 01, 2021 thru December 31, 2021
(Page 4)**

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
(704) 483-3589
5. Charles R. Jonas Library
306 West Main Street
Lincolnton, N.C. 28092
(704) 732-9040
6. West Lincoln Branch Library
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Lincoln County Sewer System – Killian Creek WWTP
Annual Performance Report
January 01, 2021 thru December 31, 2021
(Page 5)

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.

A handwritten signature in black ink, reading "James T. Simmons", written over a horizontal line.

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

DATE: 2/21/2022



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