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.
Lincoln County Sewer Collections System
Annual Performance Report
January 01, 2019 thru December 31, 2019

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 in Responsible 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; 367,469 linear feet of 8" gravity sanitary sewer lines; 5,145 linear feet of 6" force main; 39,922 linear feet of 12" force main; 12,208 linear feet of 10" force main; 16,360 linear feet of 8" force main; 150,898 linear feet of 6" force main; 64,726 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; 49,892 linear feet of 4" low pressure sewer lines; 75,298 linear feet of 3" low pressure sewer lines; 134,358 linear feet of 2.5" low pressure sewer lines; 49,910 linear feet of 2" low pressure sewer lines; and 43 sewer pump stations serving approximately 6,417 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 43 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, 2019 thru December 31, 2019
(Page 3)

II. Performance:

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

1. Date: June 26, 2019
   Time: 4:55pm
   Location: 8025 Island View Ct.
             Denver, North Carolina
   Incident: An air relief valve on a low pressure sewer service line broke off. This caused sewage to flow into a ditch and then into Lake Norman. Repairs were made and normal operations were established at 6:10pm on June 26, 2019. Incident was reported to NCDENR.
   Spill Amount: 200 gallons
   Impact: None detected.
   Corrective Action: Ground area excess spillage was vacuumed.
Lincoln County Sewer Collections System
Annual Performance Report
January 01, 2019 thru December 31, 2019
(Page 4)

2. Date: July 7, 2019
Time: 1:40 pm
Location: Lift Station #4
7755 Blades Trl.
Denver, North Carolina

Incident: Two wires arced in the junction box; this blew several fuses including the main fuse. This caused sewage to flow into Burton Creek. Repairs were made and normal operations were established at 1:50pm on July 7, 2019. Incident was reported to NCDENR.

Spill Amount: 100 gallons
Impact: None detected.
Corrective Action: Ground area excess spillage was vacuumed
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  
   Lincolnton, N.C. 28092  
   (704) 736-8497

2. Lincoln County Water Treatment Plant  
   7674 Tree Farm Road  
   Denver, N.C. 28037  
   (704) 483-7082

3. Florence Soule Shanklin  
   Branch Library  
   7937 Fairfield Forest Road  
   Denver, N.C. 28037  
   (704) 483-3589

4. Charles R. Jonas Library  
   306 West Main Street  
   Lincolnton, N.C. 28092  
   (704) 732-9040

5. West Lincoln Branch Library  
   5545 West Hwy 27  
   Vale, N.C. 28168  
   (704) 276-9946
Lincoln County Sewer Collections System
Annual Performance Report
January 01, 2019 thru December 31, 2019
(Page 6)

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.

[Signature]

Date: 2/24/2020

Michael P. Simmons - ORC
Utility Operations Superintendent
Lincoln County Public Works
Lincoln County Sewer System – Killian Creek WWTP
Annual Performance Report
January 01, 2019 thru December 31, 2019

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 2019. 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) April 6th and 13th the NH-n3 Ammonia was out of limits causing the WWTP to be out of compliance for the month of April, 2019.
2) August 17th and 24th the NH-n3 Ammonia was out of limits causing the WWTP to be out of compliance for the month of August, 2019.

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

1. Lincoln County Public Works
   115 West Main Street
   Lincolnton, N.C. 28092
   (704) 736-8497

2. Lincoln County Water Treatment Plant
   7674 Tree Farm Road
   Denver, N.C. 28037
   (704) 483-7082
Lincoln County Sewer System – Killian Creek WWTP
Annual Performance Report
January 01, 2019 thru December 31, 2019
(Please 4)

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
5545 West Hwy 27
Vale, N.C. 28168
(704) 276-9946
Lincoln County Sewer System – Killian Creek WWTP
Annual Performance Report
January 01, 2019 thru December 31, 2019
(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.

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

DATE: 2/24/2020