



"The Crossroads of Opportunity"

TOWN OF BOILING SPRINGS

2/14/19

System Performance Annual Report
North Carolina Division of Water Resources
1617 Mail Service Center
Raleigh, N.C. 27699-1617

RE: Performance Annual Report For 2018
Town of Boiling Springs N.C. 28017
NPDES NC0071943
WQ0018352

To Whom It May Concern:

Please find enclosed the original and two (2) copies of the Performance Annual Report for the Town of Boiling Springs WWTP for year 2018.

Please Contact me if you have any questions regarding this report at (704) 300-8641

Sincerely;

Todd Humphries
Wastewater Plant ORC

2-18-19

Date

cc: Lucas Shires Town Manager
Mike Gibert Public Works Director



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TOWN OF BOILING SPRINGS

ANNUAL SYSTEM PERFORMANCE REPORT 2018



**Town of Boiling Springs
Wastewater Treatment Plant
2556 Rockford Road
Shelby, NC 28152**

Permits

**Wastewater Treatment Plant NCO071943
Collection System WQCS00222
Land Application WQ0018352
Laboratory Certification 5013**

SYSTEM OVERVIEW

The Town of Boiling Springs wastewater collection and treatment system serves a customer base of 4,600 residential, commercial and industrial users. During last year the Town of Boiling Springs Wastewater Treatment Plant (WWTP) collected and treated an average of 0.360 million gallons per day (MGD). Included in this flow is wastewater from Town of Lattimore.

The sewer collection system consists of gravity sewer lines, pump stations and force-mains that convey wastewater to the town's WWTP. The town owns and maintains over 27 miles of gravity sewer lines, 7 miles of force main pipe, and 7 pump stations.

The town services the Lattimore collection systems which is over 4.3 miles of gravity sewer lines and 5.06 miles of force main pipe, and 7 pump stations.



**Town of
Boiling Springs
WWTP**

COMPLIANCE SUMMARY

The Town of Boiling Springs WWTP has permit limits and monitoring requirements regulated by the North Carolina Department of Environment Quality Division of Water Resources. During the year, samples are collected and analyzed to show compliance and to monitor plant operations. NC DEQ requires all wastewater collection and treatment systems to annually report to its customers all sanitary sewer overflows, violations of state-issued permit limits and reporting requirements

WHAT DO WASTEWATER TREATMENT PLANTS DO?

Wastewater treatment plants clean our wastewater and prevent pollution from getting into the environment. When wastewater enters our facility at our influent which consist of mechanical devices that catch and remove trash and large objects. Wastewater then flows thorough into the aeration basin where microorganisms breakdown the pollutants.

The wastewater then flows into final clarifiers where the microorganisms settle out and are returned to the basins. Some of these solids are removed from the system.

Our final process is our Ultra-violent chamber before the treated water is returned to Sandy Run Creek of the Broad River Basin.

The solids, which have been removed from the process, are pumped to a digester basin where they are held until processed and ready for Land Application process where the product is being used as fertilizer for pastures.

COLLECTION SYSTEM MAINTENANCE

The Town of Boiling Springs maintains collection system pipes and lines in order to prevent sanitary sewer overflows (SSOs) and keep wastewater flowing through the collection system to the treatment plant for treatment. During this report year, 3.4 miles of pipes were cleaned by rodding/jetting.

Plant Operators conducts inspections of all pump stations and performs both preventative and corrective maintenance on the stations and the force mains. The pump stations are monitored by auto-dialers and are equipped with back-up generation (either permanent or portable capabilities).

COMPLIANCE SUMMARY

Wastewater Plant Compliance

Zero WWTP violations

Sanitary Sewer Overflows

Monthly Spill Totals

April 13th, 2018 – 25000 gallons

2556 Rockford Road

August 12th, 2018 – 9000 gallons

1516 Patrick Avenue

ENVIRONMENTAL PROGRAMS AND SERVICE INITIATIVE

As part of a commitment to support educational awareness and promote better learning, Boiling Springs offers tours of the wastewater treatment plant to various interest groups. For a tour of the plant, contact Wastewater Plant Supervisor at (704) 300-8641.

FATS, OILS and GREASE PROGRAM

Grease is a leading cause of sewer blockages and overflows in the sewer system and can lead to sewer back-ups into homes. Boiling Springs urges residents to help our fight against grease:

- 1) Never pour grease down the drain.
- 2) Scrape grease and food scraps into the trash.
- 3) Use sink strainers to prevent food scraps from going down the drain.

The Fats, Oil and Grease (FOG) Program seeks to reduce these occurrences by education to the public on how to prevent grease from entering the sewer system.

Special emphasis has been placed on food service establishments, but we all need to do our part to keep grease out of the sewer system. For more information on our program, contact :

Pretreatment Coordinator at (704) 300-8641

Dumping waste into the Town's manholes without permission is illegal. Residents can report suspicious activity, sewer overflows and other sewer issues any time by dialing (704) 434-2357.

Help us prevent Sewer Overflows!

Please refrain from flushing non-degradable materials such as plastic, rags, feminine hygiene products, and other trash/debris!

LAND APPLICATION PROGRAM

The Town of Boiling Springs applies digested sludge onto farm lands and pastures as permitted by North Carolina. The Town land applied 10.51 dry tons of bio-solids for the beneficial reuse as a soil conditioner and fertilizer.

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 public and the public has been notified of its availability.



Todd Humphries
Wastewater Plant ORC
Land App ORC

2-18-19

Date:



Terry Price
Collection System ORC

2-18-19

Date:

Copies of this report are available at
Town Hall at 114 East College Avenue