

Town of Boiling Springs

PO Box 1014
Boiling Springs, N.C. 28017
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3/7/2016

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

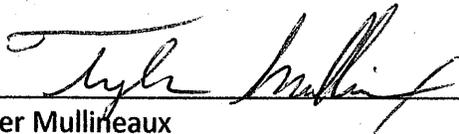
RE: Performance Annual Report For 2015
Town of Boiling Springs N.C. 28017
NPDES NC0071943
WQ0018352

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 2015.

Please Contact me if you have any questions regarding this report at (704) 434-5600

Sincerely;



Tyler Mullineaux
Wastewater Plant ORC

3/7/2016

Date

cc: Tom Hart Town Manager
Mike Gibert Public Works Director

Town of Boiling Springs

System Performance Annual Report 2015

1.) General Information

Facility/System Name:	<u>Town of Boiling Springs</u>
Responsible Entity:	<u>Town of Boiling Springs</u>
Person in Charge/Contact:	<u>Tyler Mullineaux ORC</u>
Applicable Permit(s):	<u>Wastewater Treatment Plant NC0071943</u> <u>Collection System WQCS00222</u> <u>Land Application WQ0018352</u> <u>Laboratory Certification 5013</u>

Description of Treatment Plant:

The wastewater treatment plant is designed to function as an activated sludge treatment facility. The plant receives 100% domestic/commercial wastewater. Debris and grit are removed at the head of the plant, after which the influent enters two parallel aeration basins for biological treatment. Wastewater then passes into two parallel secondary clarifiers for sludge settling. Effluent from the clarifiers enters an ultraviolet disinfection channel and then passes into the outfall discharge into Sandy Run Creek.

Description of Collection System:

The Town owns and maintains 36 miles of gravity sewer and force main lines with 7 lift stations. The Town of Boiling Springs also maintains 9.43 miles of gravity sewer and force main lines with 7 lift stations for the Town of Lattimore.

Description of Land Application:

The Town land applied 21.41 tons of bio-solids to permitted fields for the beneficial reuse as a soil conditioner and fertilizer.

Summary of system performance for calendar year 2015:

The Town of Boiling Springs is regulated with permit limits and monitoring requirements regulated by the North Carolina Department of Environment and Natural Resources (NCDENR). These permit limits and monitoring requirements cover individual weekly sampling and the overall collective monthly average. In respect we exceeded two (2) of our individual weekly sampling limits as shown below.

9/15/2015 – Fecal Coliform – limit: 400ml – sample: 480ml
10/30/2015 – Fecal Coliform – limit: 400ml – sample: 3900ml

*It is important to note that our monthly collective sampling average never exceeded our limit of 200ml, throughout the year as a whole.

10% of the wastewater collection system was high pressure cleaned to prevent overflows due to any type of buildup in sanitary sewer lines. Smoke testing is also performed to determine sources of inflow and infiltration.

Literature was made available to the public concerning fats, oils, and grease disposal and the effects on the collection system.

The wastewater collection system had (1) SSO reported during 2015 as shown below.

3/3/2015 – Location: Lyman St. lift station - Overflow: 50,000 gallons with less than 100 gallons reaching surface waters which resulted in zero fish kills or adverse effects on the poplar branch creek – Cause: pump station equipment failure

Corrective Measures

*In response to the weekly sampling limits being exceeded the wastewater department replaced all U.V. lights in our disinfection channel and a monthly cleaning of these lights was implemented. Since these actions we have had zero sampling limits exceeded.

*In response to the Lyman St. lift station overflow the wastewater department capped the source that allowed sewer to come in contact with surface waters. The auto dialer was also replaced as it was the leading cause to the overflow. Later an insufficient pump was removed and replaced by a rebuilt pump. The Town also started construction on a brand new lift station that would completely replace the Lyman St. lift station.

Performance Annual Report

2.) Notification:

The availability of this report will be printed on the utility bills. Copies of this report will be posted and made available at Town Hall and on website: www.boilingspringsnc.net.

3.) I certify under penalty of law that this report is 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.



Date: 3/7/2016

Tyler Mullineaux
Wastewater Plant ORC
Collection System ORC

Entity: Town of Boiling Springs
PO Box 1014
Boiling Springs NC 28017