

# Town of Granite Falls Wastewater Treatment Plant Performance Annual Report

As Required By House Bill 1160 Clean Water Act of 1999  
For Fiscal Year 2015-2016

## I. General Information

Facility/System Name: Granite Falls Wastewater Treatment Plant  
Responsible Entity: Town of Granite Falls  
Mailing Address: Post Office Drawer 10 Granite Falls, N.C. 28630-0010  
Phone Number: (828) 396-3131 Fax: (828) 396-3133  
Facility Location: 60 Meandering Way Granite Falls, N.C. 28630  
Person in Charge/Contact : Chris Graybeal  
Phone Number: (828) 396-7111 Fax: (828) 396-8526  
Email: graybeal@granitefallsn.com  
Applicable Permits(s): NPDES Permit Number NC0021890 Expiration Date: 01/31/2019  
Land Application Permit Number WQ001618 Expiration Date: 03/31/2020  
N. C. Wastewater Laboratory Certification Number 303 Expiration Date: 12/31/2016  
Reporting Period: Fiscal Year 2014 -2015

## II. Description of Treatment Process:

Secondary biological process utilizing Activated Sludge Treatment consisting of grit removal, screening, aerated oxidation ditches secondary clarifiers, chlorination, dechlorination, and aerobic digesting of waste solids which are lime stabilized for vector and pathogen reduction and applied as class B biosolids by a contracted Land Application Operator.

## III. Performance

### Summary for fiscal year 2015-2016

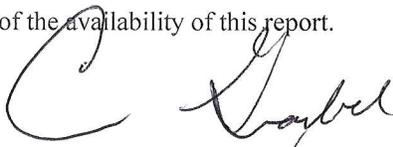
Amount Wastewater Treated: 136,997,000 Gallons Average Daily Wastewater Treated .386 MGD  
Amount of Class B Bio-Solids Applied To Farm Land None  
Violations: NPDES Permit Number NC0021890 None  
Land Application Permit Number WQ001618 None  
Performance Efficiency: Overall Treatment Plant Efficiency 97%  
Rated Efficiency of Treatment Plant (Design) 87%  
Average BOD: 7.53 mg/l Permit Limit: 25mg/l  
Average TSS: 9.25 mg/l Permit Limit: 30mg/l  
Average NH-3: 0.28 mg/l Permit Limit 6.2mg/l  
Average Fecal: 7/100 ml Permit Limit 200/100ml  
Average Total Nitrogen: 4.16 mg/l Permit Limit NA  
Average Total Phosphorus: 1.54 mg/l Permit Limit NA

## IV. Notification

This report will be made available to the public at the Town of Granite Falls Administrative Offices, 30 Park Square, Granite Falls NC 28630. Also in your customer billing statement will be instructions regarding this report listed on the Town of Granite Falls website at [www.granitefallsn.com](http://www.granitefallsn.com).

## V. 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 Town of Granite Falls service area and that those users have been notified of the availability of this report.



Chris Graybeal  
Water Resources Director, Town of Granite Falls

Date: August 21, 2016

# Town of Granite Falls Wastewater Collection System Performance Annual Report

As Required By House Bill 1160 Clean Water Act of 1999  
For Fiscal Year 2015-2016

## **I. General Information**

Facility/System Name: Granite Falls Wastewater Collection System  
Responsible Entity: Town of Granite Falls  
Mailing Address: Post Office Drawer 10 Granite Falls, N.C. 28630-0010  
Phone Number: (828) 396-3131 Fax: (828) 396-3133  
Person in Charge/Contact: Randy Smith  
Phone Number: (828) 396-2989 Fax: (828) 396-3133  
Applicable Permits(s): Wastewater Collection System Permit Number WQCS00145  
Reporting Period: Fiscal Year 2015 - 2016

## **II. Description of Collection System:**

The collection system consists of 44 miles of gravity and 7 miles of force main sewer collection system ranging in size from four inches to sixteen inches. There are currently 19 sewer pump stations. Granite Falls has 1,834 residential customers, 245 commercial customers and 1 industrial customer.

## **III. Performance Summary for 2015-2016:**

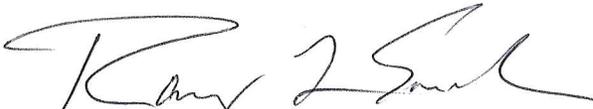
- For the fiscal year 2015 -2016 there were no reportable SSO's.
- The preventive maintenance program continues to be a success in discovering potential sewer problems and correcting them. The Town staff have continued to jet and maintain high priority lines and others as needed for root control and preventing blockages. The Town utilizes the town newsletter to educate citizens to the dangers of grease entering the collection system. Sewer line right-of-ways were cut twice this last year.
- The Town has added Mission Communications cellular telemetry to our pump stations enabling the Town to have better means of monitoring conditions, runtimes, and emergency situations.
- With the newly approved 16-17 budget two pump stations ( Laurel and Central) will be redone. Once completed around January of 2017 these two stations will be completely new and have permanent generators installed. Also approved with the new 16-17 budget was a new sewer camera trailer. This camera will be of great value to our staff and collection system.

## **IV. Notification**

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## **V. 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 Town of Granite Falls and that those users have been notified of its availability.



Randy Smith Public Works Director, Town of Granite Falls

**Date: August 30, 2016**