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Allen Huggins
Frank Milton
Darlene Morrow
Hoyle Withers

Town Manager
Maria Stroupe

Town Clerk/HR
Shannon Whittle

Finance
Jonathan Newton

Town Attorney
J. Thomas Hunn

Police
Robert Walls

Electrical
J. Doug Huffman

Public Works
Bill Trudnak

Development Svc
Nolan Groce

Fire Chief
Earl Withers

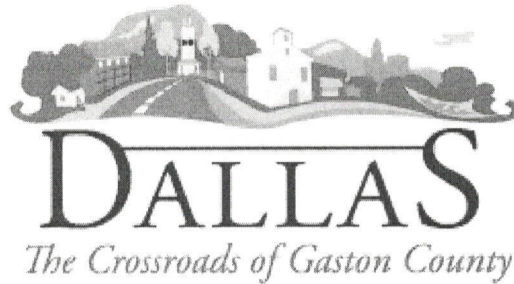
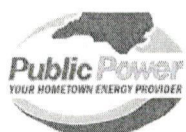
Recreation
Brandon Whitener

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Dallas, N.C. Waste Water Treatment Plant
Annual Report for 2020

General Information:

The Town of Dallas, N.C. operates a Waste Treatment plant capable of processing .6 MGD (million gallons/day) with a discharge to an unnamed tributary of Long Creek. A class C tributary to the Catawba River Basin. Consisting of two units of extended aeration, combined with sludge digesters, and Chlorine contact chambers for disinfection. The plant's flows are monitored through a Parshall flumes, and ultrasonic flow indication on the influent side. They are also monitored on the discharge side to each unit through ultrasonic flow metering. The influent side has a manual bar screen at the pump station along with bar screen at the front of the units. Disinfection is accomplished by a chlorine contact chamber, and de-chlorination accomplished by sulfur addition before discharging to creek.

Bio-solids produced by the plant are processed in an eco-friendly manner by utilizing a "Green" mindset allowing local farmers to fertilize fields for production of various grasses. Land application is a win-win situation for farmers and local governments for disposal of solids. The plant has digesters for processing sludge on each unit. The town maintains drying beds for use in rainy times when land application is not feasible, and also send solids to an incinerator at Rocky River WWTP if need be. Records of each of these methods of sludge disposal are kept at the Dallas Waste Treatment plant office for public viewing.

The Town of Dallas processed more than 141 million gallons of waste water for the year 2020. This was accomplished with minimal disruptions in quality of service. The plant incurred no violations for the year as all monitoring requirements were met.

The Town of Dallas is committed to operating in adherence to their permit #NC006888. The plant is currently looking towards the future as Dallas expands in population and housing, looking into upgrading its system and has approved drawings for double sided grit chamber for influent for better debris removal and extra basins. We are currently replacing older equipment and have rebuilt East basin for more sufficient treatment and has saved on chemicals, hauling and power. We just received quotes on a new bar screen for better debris removal, which will help the overall health of the basins. The interconnect to Gastonia is under way. Which will consist of 150,000gpd going to Gastonia for treatment. Which will help our plant on extreme weather days.

The plant utilizes different laboratories to analyze treated water and biological treatment. These are listed:

1. City of Gastonia certification# 210
2. Environmental Testing Solutions certification # 600
3. Lab at plant. Not certified, used for process control.

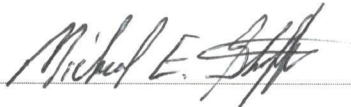
In all 156 test are required by permit, 208 are conducted. The Town of Dallas provides 33% more testing to insure parameters and quality are being achieved.

The plant has two main pumps and an emergency diesel pump to maintain the plant in unforeseen situations. There is a CAT generator able to run the entire plant in case of power failure or electrical interruption. Dallas also uses a variety of local business in various capacities which perform different quality checks on equipment that deserves to be listed:

- | | |
|-------------------------|------------------------------------|
| 1. Dixie Electric | Maintenance |
| 2. Jones Chemical | Disinfection System |
| 3. Maryland Biochemical | Biological and chemical provider |
| 4. Lime Chem | Lime slurry P.H. control additives |
| 5. B&W Solutions | Maintenance |
| 6. Clearwater inc. | Flow metering and charting |

I have personally examined the information submitted in this document and the individuals responsible for information contained herein. I believe the information to be true, accurate, and complete, I am aware of penalties for submitting false information.

Signed *31st* day of March, 2020



Michael E. Stafford, ORC

Town Of Dallas WWTP