

# 2016 Brunswick Regional Water & Sewer, H2GO Wastewater Collection System Annual Report

Permittee Brunswick Regional Water and Sewer H2GO  
P. O. Box 2230  
Leland, NC 28451

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Permit No.: WQCS00202  
Name: Brunswick Regional Water and Sewer H2GO (BRWS)

During the 2016 physical year Brunswick Regional Water and Sewer, H2GO added 9749 linear feet of low pressure collection lines along with 4250 linear feet of gravity lines. This brings the wastewater collection system total to 32.09 miles of force main and 102.8 miles of gravity pipe ranging from 8 through 12 inch diameter pipe. In addition to the piping there are 49 pumping stations that are equipped with standby generators for emergency power, which collect and lift the wastewater from low areas to main outfall lines that flow to the Belville Waste Water Treatment Plant and the Northeast Regional Waste Water Treatment Plant. The average flow of wastewater generated by the collection system that is treated at the Belville WWTP is 375,000 gallons per day with an additional 225,300 gallons per day diverted to the Northeast Regional WWTP. The average flow of wastewater generated by the collection system that flows directly to the Northeast Regional WWTP is 426,000 gallons per day for a total of 651,300 gallons per day treated at the Northeast Regional WWTP.

## PERFORMANCE

Even though there were no reportable sanitary overflows during this reporting period BRWS is aggressively working to upgrade and improve the collection system by following a maintenance program requiring at least (10) percent of the system to be cleaned each year. This year the Collections Department cleaned (14.48) miles of lines including visual inspection of the manholes and lines through remote video. Along with the cleaning and inspections Smoke Testing of the collection system has been completed along with the sewer modeling of the entire collection system. Furthermore a Grease Ordinance has been adopted by BRWS and an Inspection program has been implemented which has led the BRWS Maintenance Department to take a "STOP IT NOW" attitude toward Inflow and Infiltration wholeheartedly. Finally operational checks of the pump stations, telemetry and generator backup power are done on a weekly basis.

## EDUCATION

My sewer is stopped up! I don't understand why it's not working right!

My toilet won't flush; what's wrong?

In the Wastewater Collections Department we hear this on a daily basis, however most sewer problems can be prevented BY THE CUSTOMER the majority of stop ups are caused by a buildup of grease in the lines. You can help prevent SSO (Sanitary Sewer Overflow) by reducing the amount of grease and fats that's put into the wastewater system. Your friends in the Wastewater Collections Department are trying their best to prevent problems in the wastewater collection system, please help them out a little bit by NOT pouring grease, fat, or oils down the drain. The work we have to do to handle grease and oils in the collection system makes operating cost go up, and when operating cost go up, so does the cost of living.

### PLEASE HELP KEEP COST DOWN BY FOLLOWING THESE SIMPLE GUIDELINES

- DON'T pour grease, fats or oils from cooking down the drain.
- DON'T put anything down the drain that doesn't belong there, paper towels, personal hygiene products, food scraps (unless you have a garbage disposer), disposable diapers, or any other foreign objects.

In addition to blockages, INFLOW AND INFILTRATION sometimes causes SSO's during heavy rains. Missing and broken cleanout caps, broken or improperly set manhole lids, contribute to this problem. Be observant when you drive and travel around BRWS and let us know if you see anything that doesn't look right. A single broken cleanout can allow up to 4600 gallons of water to enter the wastewater system each hour all this adds to higher treatment cost.

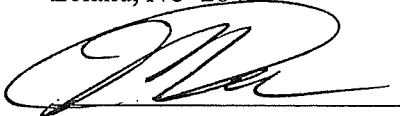
## NOTIFICATION

A mailing list was developed from customer billing records and each customer was mailed a copy the Performance Annual Report.

## 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 named system and that those users have been notified of its availability.

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