

2017 Brunswick Regional Water & Sewer, H2GO Wastewater Collection System Annual Report

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

During the 2017 physical year, Brunswick Regional Water and Sewer H2GO added 19,758 linear feet of low pressure collection lines along with 9,808 linear feet of gravity lines. This brings the wastewater collection system total to 35.83 miles of force main and 104.65 miles of gravity pipe ranging from eight through twelve inch diameter pipe. In addition to the piping, there are 52 pumping stations that are equipped with standby generators for emergency power. There are 85 Grinder Pumps that are the direct responsibility of H2GO and 262 Grinder Pumps that remain the homeowner's responsibility. These grinder pumps collect and lift the wastewater from low areas to main outfall lines that flow to the Belville Wastewater Treatment Plant and to the Northeast Regional Wastewater Treatment Plant. The average flow of wastewater generated by the collection system that is treated at the Belville WWTP is 351,600 gallons per day with an additional 253,000 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 393,000 gallons per day for a total of 646,000 gallons per day treated at the Northeast Regional WWTP.

PERFORMANCE

Although there was one reportable sanitary overflow during this reporting period on September 12th, 2017 due to a broken service line and heavy rain; BRWS is aggressively working to upgrade and improve the collection system by following a maintenance program requiring at least ten percent of the system to be cleaned each year. This year the Collections Department cleaned 13.7 percent which was 14.34 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 by NOT pouring fats, oils, or greases (FOGs) 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 FOG 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 the BRWS district and let us know if you see anything that doesn't look right. A single broken cleanout can allow up to 4,600 gallons of water to enter the wastewater system each hour. All this adds to higher treatment cost for BRWS.

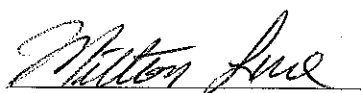
NOTIFICATION

A mailing list was developed from customer billing records and each customer was mailed a copy the Performance Annual Report. A copy of this report can also be found on our website;
<http://www.H2GOonline.com/annual-reports>.

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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