

SYSTEM PERFORMANCE ANNUAL REPORT

The WWTP is located at 8257 Deep Branch Rd, Pembroke, NC and is a grade three plant. It has a permitted capacity flow of 1.33 MGD. This flow would also consist of the monthly average of 2.0 MGD. Jason Deese is the OTC, with a grade three operator's license.

Performance:

Over the past 12 months the WWTP has treated an average of 8.43 MG. The plant consists of the headworks, town primary aeration basins, two primary clarifiers and a contact chamber. A bar screen is in place to remove all debris such as plastics, rags & etc. The bubbler system and grit channel separates the oil & grease from the grit and the wastewater as well. There are two aeration basins that the water flows into after leaving the headworks, starting the biological process that treats the wastewater. After leaving the basins the water enters the clarifiers. The solids are separated from the water. The water then moves to the contact chamber where it is disinfected by chlorine gas to kill any pathogens while dechlorinating to kill any unwanted chlorine. Then the water is deposited back into the Lumbee River.

The collection system also has 23 lift stations throughout the Town of Pembroke that deposits wastewater into the main lift station at the WWTP.

Violations:

July 2022 a sanitary sewer overflow of the digester was detected. A result of the operator leaving the weir open on the clarifier with the system pit running. Employees were briefed on keeping up on the sampling and always checking behind themselves to ensure that pumps are not left running.

December 2022 there was a violation of upstream and downstream sampling of fecal for the following dates- December 3, 2022 & December 10, 2022.

Notification:

The report will be posted on the Town of Pembroke's website and a copy will be posted at Town Hall 98 Union Chapel Rd, Pembroke, NC.

Certification:

I, Jason Deese, the WWTP ORC certifies that this report is accurate and complete to the best of my knowledge. Please find flow chart and permit attached.