

Annual Wastewater Performance Report

2023

1. General Information

Facility/System Name: St. Pauls Wastewater Treatment Plant/collection

Responsible Entity: The Town of St Pauls

ORC WWTP/Contact: Tim Lyde 910-865-5164

Applicable Permits: NC0020095/WQCS00187

Description of Treatment Plant and Collection System:

Operation of .5 MGD wastewater treatment facility consisting of mechanical bar screen and grit removal, oxidation ditch, 2 secondary clarifiers, aerated sludge digester, sludge drying beds, and double chlorine contact basin with post-aeration. This facility discharges to the Big Marsh Swamp, classified as C swamp waters in the Lumber River Basin. The wastewater collection system consist of 17 miles of gravity flow sewer mains and 6 miles of force mains. Currently, we have 13 lift stations that pump sewer water to different locations throughout the system.

Performance: 2023 Calendar Year

SSO's=0

Bypasses=1

NOV's=4

We had no SSO's this year down from years past. We had 1 bypass that happened on 12/17/23-1218/23 at the wastewater plant at the head of the plant around the pumps and bar screen. During a heavy rain event some rags caused one of the pumps to lose prime/suction and some trash that came in with the storm caused the bar screen to get clogged up and that caused an hydraulic overload. We cleaned up as quickly as possible, I repaired the pump and got the bar screen working. We had 4 NOV's this year down from years past, also. The NOV's happened in April, June, and July. This happened for the most part because of it being so hot and we couldn't get any wasting boxes in to waste fast enough. We have since brought the levels down and we will try and keep them down. We have put out a notice to inform the public that this report can be obtained at the St Pauls Town Hall and the web site www.stpaulsnc.gov. I certify under the penalty of the law that this report is complete and accurate to the best of my knowledge. I have made this report available to the public of the named system.

Tim Lyde

Town Of St Pauls wastewater

Collections ORC 2/15/2024