

Town of Lake Waccamaw

ON THE SHORES OF NORTH CAROLINA'S LARGEST NATURAL LAKE

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Member N.C. League of Municipalities

WASTEWATER TREATMENT PLANT PERFORMANCE ANNUAL REPORT (2015-2016)

I. General Information

Person in Charge/Contact: Michael Prostinak, ORC Wastewater Treatment Plant – 910-616-3700, NPDES Permit Number - NC0021881

II. Description of Treatment Process

Class II, 0.4 MGD Activated Sludge Wastewater Treatment with a bar screen, aeration basin, clarifier, two settling ponds, and two digesters for Sludge that is to be used in a compost process.

III. Performance

Test Summary of the System Performance for the period July 2015 – June 2016:

- a. **August 2015** – Fecal Coliform limits were exceeded during the 2nd week of the month due to a faulty Chlorinator. A new Chlorinator was purchased and placed into service on 7/12/15.
- b. **October 2015** – Exceeded weekly Fecal Coliform limits during the 2nd and 3rd weeks of the month due to heavy rainfall and I&I problems.
- c. **November 2015** – Exceeded weekly Fecal Coliform limits during the 1st and 2nd weeks of the month due to heavy rainfall and high flows.
- d. **December 2015** – pH readings were not taken on 12/9/15 and 12/15/15 due to pH Meter problems.
- e. **March 2015** – Weekly Fecal Coliform limits were exceeded during the 2nd week of the month probably due to the heavy rainfall during the preceding week which resulted in very high flows.

- f. **May 2015** – Exceeded weekly Fecal Coliform limits during the 1st week of the month due to heavy rainfall. High flows did not allow sufficient detention time for proper disinfection.

NOTE: The majority of our Permit Violations at the Treatment Plant are for exceeding the Fecal Coliform limits after a heavy rainfall. We have an Inflow/Infiltration problem in the Collection System which allows surface water to enter the system causing the flow volume to increase. We have been working on this problem for several years and some progress has been made. Many sewer lines have been replaced and Lift Stations have been upgraded. However, even with these improvements, heavy rainfall in a short period of time will increase the flow to the point where wastewater leaves the Plant before it is completely processed. We are still working on this problem and will continue to do so until we have under control.

IV. Notification

This report is being made available to system users by printing same in the News-Reporter and posting on the Town's website at www.lakewaccamaw.com. Additional information or a copy of this report can be obtained by contacting the Town Hall at 910-646-3700.

V. 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 of the Lake Waccamaw WWTP and that the users were notified of its availability.

Harry Foley

Harry Foley
Town Manager

8-29-16

Date