

Town of Ahoskie
Wastewater BNR Plant/Wastewater Irrigation System
Annual Performance Report
2023

General Information:

Facility/System Name: Town of Ahoskie

Responsible Entity: Town of Ahoskie

Person in Charge/Contact: Jonathan Hoggard, ORC

Address: 208 Johnny Mitchell Road, Ahoskie, NC 27910

Telephone: 252-332-1938

Applicable Permit(s): NC0088561 & WQ0003885

Description of Collection System or Treatment Process:

Wastewater treatment uses physical, biological, and chemical processes to remove pollutants from water so it can be safely returned to the environment. The wastewater BNR plant is rated to handle an average of 1.3 million gallons per day. The BNR plant discharges to the Ahoskie Creek in the Chowan River Basin. The spray irrigation system consists of a 406,000 gallon per day irrigation facility having 189.43 acres of disposal area with no discharge of wastes to surface waters and a conjunctive reclaimed water system with five utilization sites.

Performance:

The Wastewater plants treated approximately 231.3 million gallons of wastewater in 2023. The monthly average flow was 19.3 million gallons, and the daily average was 0.63 million gallons. The annual removal rate for the BNR was 99.0% for the oxygen demanding pollutants for the year. The average biological oxygen demand for the effluent was <2.0 parts per million.

The annual removal rate was 99.6% for total suspended solids for the year. The average annual total suspended solids for the effluent was <2.5 parts per million. The average annual total nitrogen discharged to the Ahoskie Creek was 2.07 parts per million (See Figure 1). The average annual total phosphorus discharged to the Ahoskie Creek was 0.37 parts per million (See Figure 2). In 2023, there was not any digested sludge hauled off site by Granville Farms, Inc. Approximately 988,000 gallons of digested sludge was applied on land at the WWTP per permit WQ0036706. The Wastewater Irrigation System had an inflow of approximately 2.1 million gallons along with 41.0 million gallons of rainwater. Approximately 8.4 million gallons was applied on 189.43 acres (See Figure 3). Reclaimed water was not applied to the utilization sites in 2023 (See Figure 4).

Figure 1

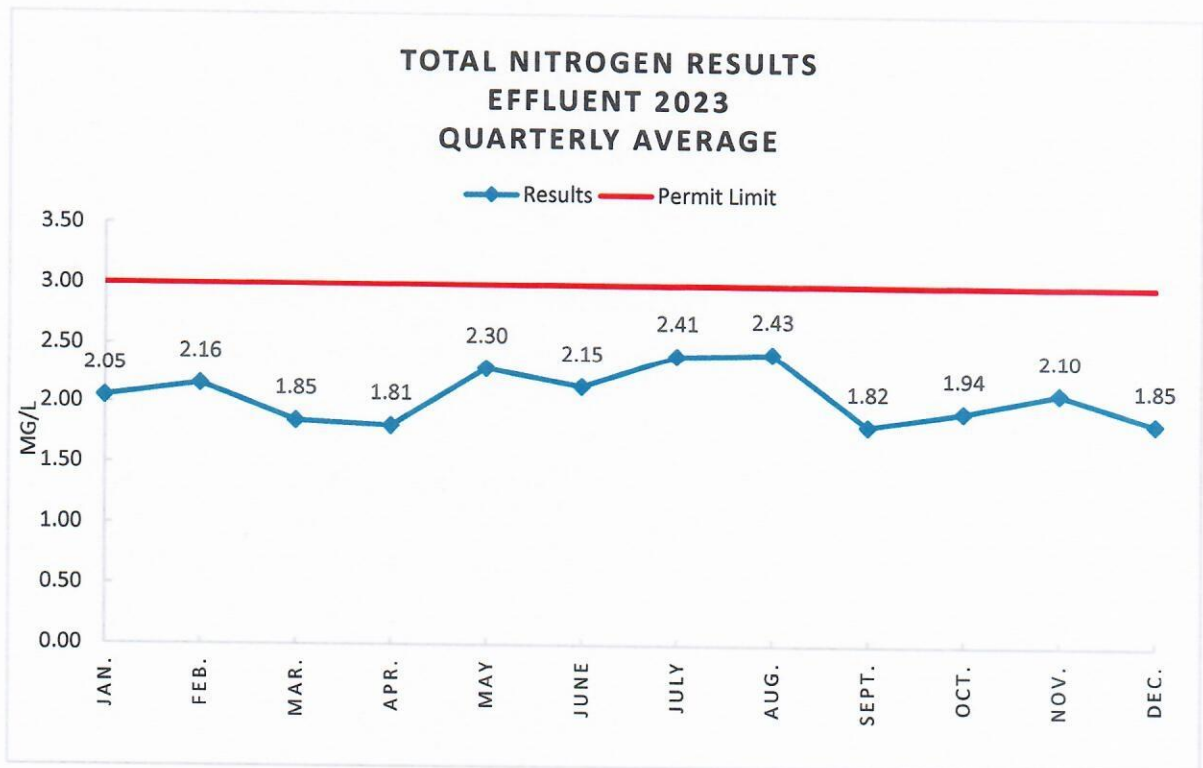


Figure 2

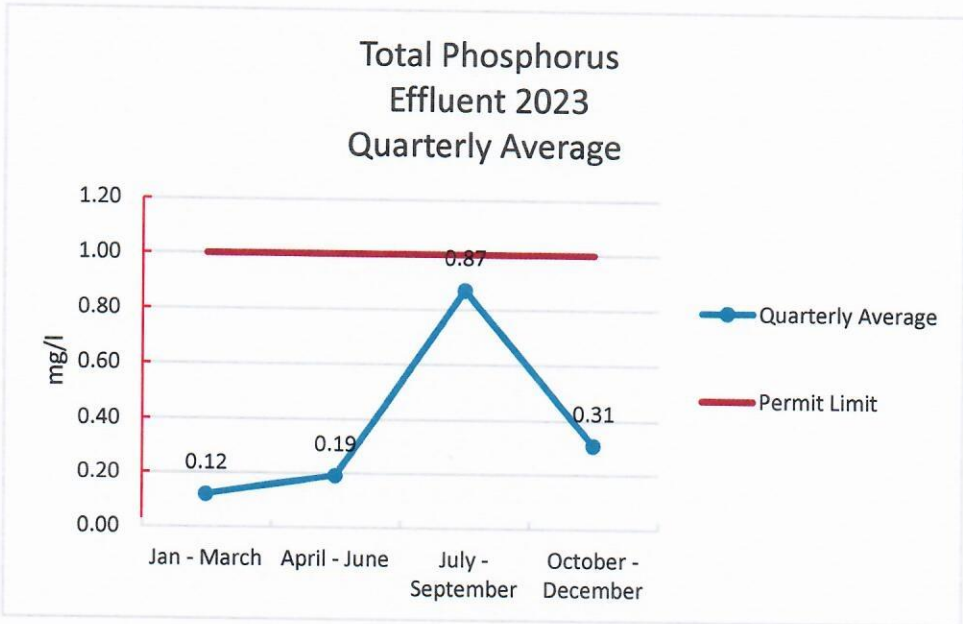


Figure 3

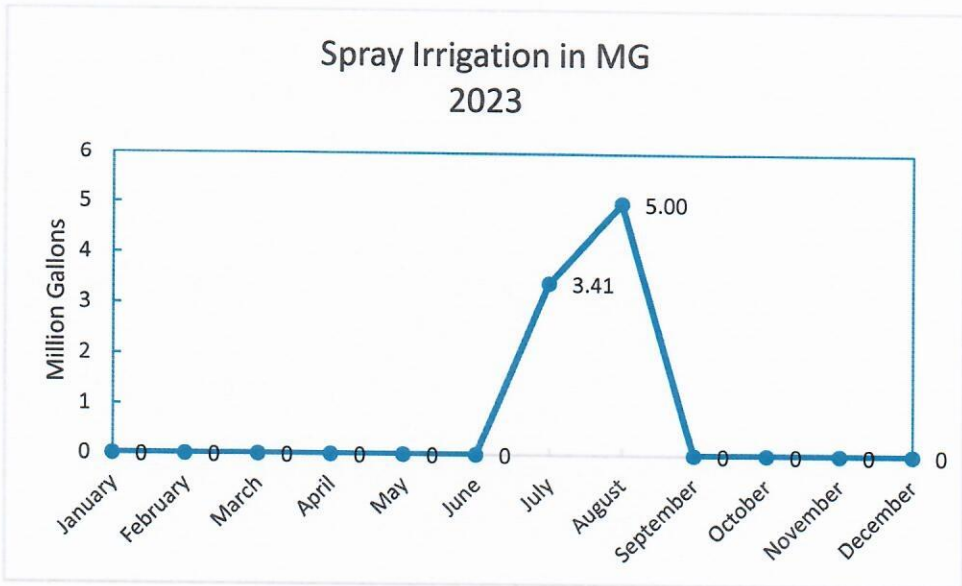
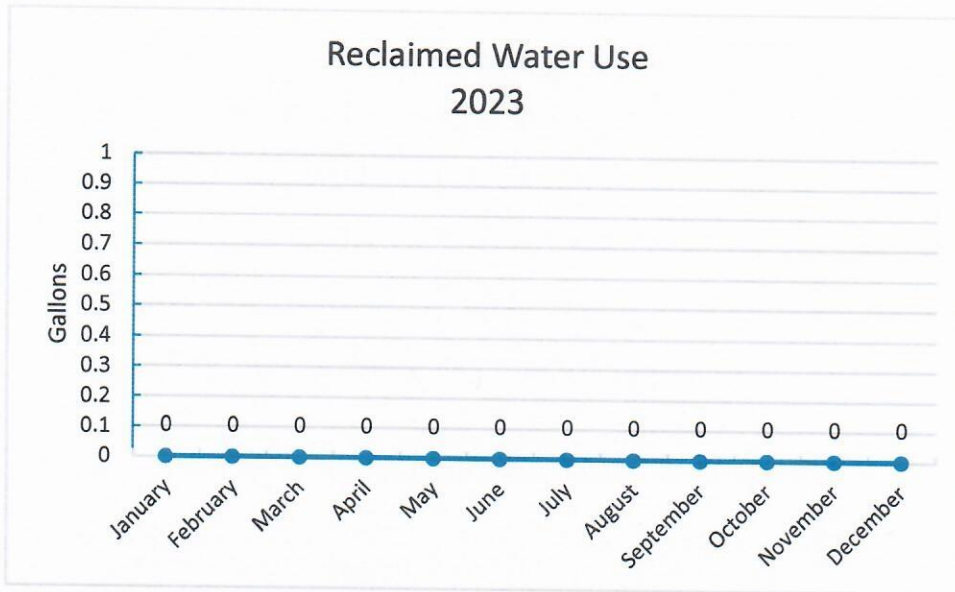


Figure 4

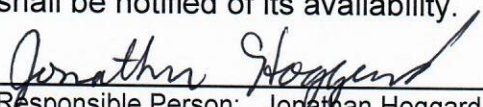


Notification

This information is required by North Carolina General Statute 143-215.1C. A notice will be placed on the water and sewer bill for one billing cycle including information on how to obtain this report. The report will be posted on the Town of Ahoskie website at www.ahoskie-nc.org.

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 and customers of the Town of Ahoskie Wastewater System and that those users shall be notified of its availability.


Responsible Person: Jonathan Hoggard
Title: ORC
Entity: Town of Ahoskie

2-7-24 Date