

Town of Ahoskie  
Wastewater BNR Plant/Wastewater Irrigation System  
Annual Performance Report  
2022

**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 safely be 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:**

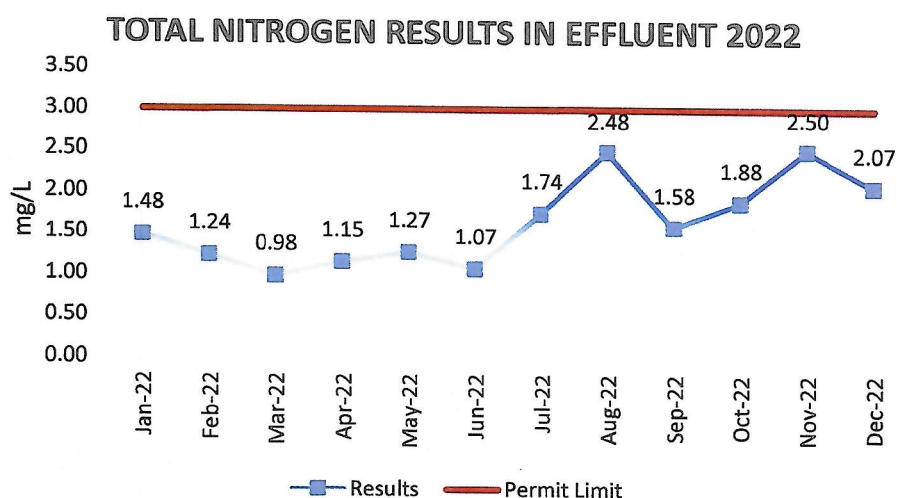
The Wastewater plants treated approximately 234.6 million gallons of wastewater in 2022. The monthly average flow was 19.6 million gallons and the daily average was 0.64 million gallons. The annual removal rate for the BNR was 97.8% for the oxygen demanding pollutants for the year. The average biological oxygen demand for the effluent was 3.5 parts per million. The Town of Ahoskie had several months where compliance with the NPDES permit for the biological oxygen demand limits were not met:

### Biological Oxygen Demand Limit Exceedance Violations

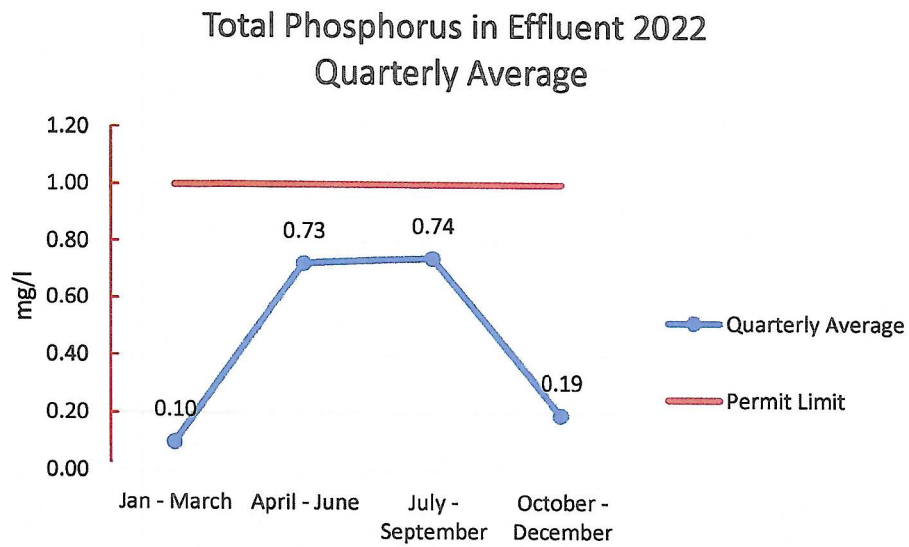
Month	Weekly Avg. mg/L	Weekly Avg Limit mg/L	Monthly Avg. mg/L	Monthly Avg. Limit mg/L
June 2022	NA	NA	6.53	5.0
July 2022	8.9	7.5	6.86	5.0
August 2022	NA	NA	5.77	5.0
September 2022	11.2	7.5	5.39	5.0

The annual removal rate was 99.7% 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 1.6 parts per million (See Figure 1). The average annual total phosphorus discharged to the Ahoskie Creek was 0.44 parts per million (See Figure 2). In 2022, there was not any digested sludge hauled off site by Granville Farms, Inc. Approximately 663,000 gallons of digested sludge was applied on land at the WWTP per permit WQ0036706. The Wastewater Irrigation System had inflow of approximately 2.3 million gallons along with 38.1 million gallons of rainwater. Approximately 12.3 million gallons was applied on 189.43 acres (See Figure 3). Reclaimed water was not applied to the utilization sites in 2022 (See Figure 4).

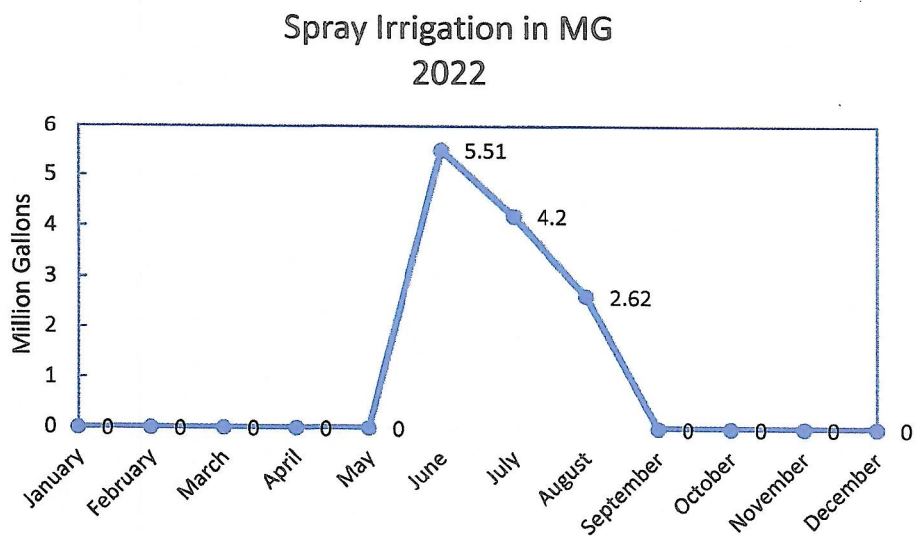
**Figure 1**



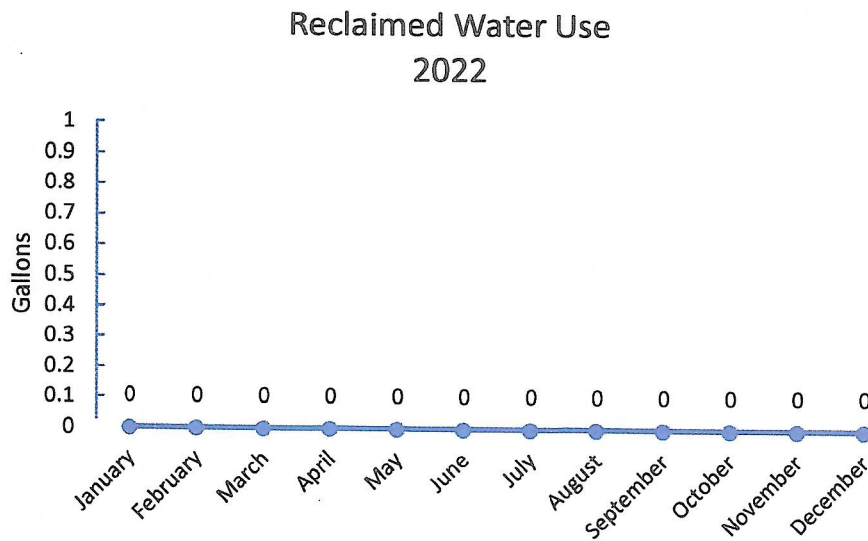
**Figure 2**



**Figure 3**



**Figure 4**

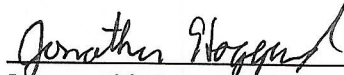


**Notification**

This information is required by North Carolina General Statute 143-215.1C. A notice will be placed in 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](http://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

2-7-23 \_\_\_\_\_  
Date