

Town of Ahoskie
Wastewater BNR Plant/Wastewater Irrigation System
Annual Performance Report
2014

General Information:

Facility/System Name: Town of Ahoskie

Responsible Entity: Town of Ahoskie

Person in Charge/Contact: Stewart White, WWTP Superintendent

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.

Performance:

The Wastewater BNR Plant treated approximately 244.4 million gallons of wastewater in 2014. The monthly average flow was 20.4 million gallons and the daily average was 0.67 million gallons. The plant was compliant for all monitoring permit requirements. The annual removal rate was 99.2% 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 99.2% 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. The average annual total phosphorus discharged to the Ahoskie Creek was 0.22 parts per million. Approximately 8.7 million gallons of sludge was wasted to the aerobic digesters for 2014. Approximately 0.76 million gallons of digested sludge was hauled by Granville Farms, Inc. and land applied as fertilizer on farmland. Approximately 1.1 million gallons of digested sludge was applied on land at the WWTP per permit WQ0036706. The Wastewater Irrigation System treated approximately 3.4 million gallons of wastewater in 2014 along with 46.1 million gallons of rain water. Irrigation did not occur on the spray fields in 2014.

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.

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: Stewart White
Title: WWTP Superintendent
Entity: Town of Ahoskie

_____ Date