



**Town of Benson
Wastewater Treatment Plant
2019 Annual Performance Report**

I. General Information

Town of Benson Wastewater Treatment Plant
770 Hannah Creek Rd, Four Oaks, NC 27524
Permit # - NC0020389

Contact Person – Brian Leavitt – WWTP Superintendent

Description of System – The Town of Benson Wastewater Treatment Plant is rated for 1.9 MGD discharge into Hannah Creek. The system utilizes an activated sludge system with biological nutrient removal of Nitrogen and Phosphorous. Notable improvements in 2019 include: transition from chlorine gas to hypochlorite disinfection; replacement of 7 pumps; cleaning of sludge lagoon with over 400 dry tons of sludge removal; cleaning of equalization pond with 1500 tons of sludge removal; and rehabilitation of 2 clarifiers

II. Performance

Number of reportable spills – 0

Number of NOV's – 1 violation for toxicity testing in August. Follow-up toxicity testing passed.

Number of Assessments -- 0

Date of last spill – No spills in 2019

Events in which 1000+ gallons of wastewater reached surface water – 0

Performance Parameters

	Measured	Permitted
Total Flow (MGD)	452.78	N/A
Average Flow (MGD)	1.24	< 1.90
BOD influent (mg/L)	140.09	N/A
BOD effluent (mg/L)	1.19	< 5.0 (Apr – Oct) < 10.0 (Nov – Mar)
BOD % Removal	99.15%	> 95%
Total Nitrogen (lbs)	11,396.15	< 33,070
Total Phosphorous (mg/L)	1.45	< 2.0 (quarterly average)

III. Notification

The customers of this facility have been provided access to this report by posting in Town Hall and on the Town website. There were no events that required public notification.

IV. Certification

I certify under penalty of law that this report is complete and accurate to the best of my knowledge. I furthermore certify that this report has been made available to the customers of the named system and have been notified of its availability.

Name 
Brian Leavitt, WWTP Superintendent

Date 1/23/2020