



101 E Cleveland St • PO Box 1065 • Dunn, North Carolina 28335
(910) 892-2948 • CityofDunn.org

City of Dunn 2021 Annual Wastewater Performance Report

I. GENERAL INFORMATION:

Facility Name(s): Black River Wastewater Treatment Facility
Contact Person: Donrie Dukes (WWTP) and Billy Cottle (Collection System)
Responsible Entity: City of Dunn
Applicable Permit #: NC0043176 and WQCS00073
Telephone Number: 910-892-2935

We are pleased to present your Wastewater Annual Report. The Clean Water Act of 1999, passed by the North Carolina Assembly, requires Utilities to provide an annual report to their wastewater customers. This report summarizes the performances of your wastewater treatment plant and collection system over a 12-month period (January 1, 2021-December 31, 2021).

DESCRIPTION OF TREATMENT PROCESS:

The City of Dunn Black River Wastewater Treatment Facility (3.75 MGD) uses mechanical pretreatment processes to remove inorganic materials such as rags and sand. An extended aeration biological process is utilized for secondary treatment. This is followed by clarification, disinfection, and de-chlorination before the treated water is discharged into the Cape Fear River. Excess biosolids are thickened and stabilized before land application to permitted farm sites.

DESCRIPTION OF THE SANITARY SEWER COLLECTION SYSTEM: The collection system is comprised of 75 miles of gravity sewer, 13 miles of force mains, and 8 duplex lift stations. The collected wastewater is then sent to the City's wastewater treatment system for treatment.

Where community begins!

II. PERFORMANCE: The City of Dunn Black River Wastewater Treatment Facility had three (3) reportable compliance violations in 2021. The average daily flow for the following months exceeded the permitted capacity of 3.75 MGD: January 2021 at 5.26 MGD, February 2021 at 5.82 MGD, and March 2021 at 3.79 MGD.

NCDENR Reportable Sanitary Sewer Overflows (SSOs): During the 2021 compliance period, there were the following reportable SSOs.

Date	Total Volume (Gallons)	Total Volume reaching Surface Water (Gallons)	Cause	Location
1/3/21	135,000	135,000	Inflow/Infiltration & Severe Natural Condition	Eastside Lift Station
1/4/21	130,500	130,500	Inflow/Infiltration & Severe Natural Condition	Black River Outfall
2/14/21	1,896,000	1,896,000	Inflow/Infiltration & Severe Natural Condition	Black River Outfall
2/16/21	72,000	72,000	Inflow/Infiltration & Severe Natural Condition	Eastside Lift Station
2/19/21	324,000	324,000	Inflow/Infiltration & Severe Natural Condition	Eastside Lift Station
7/19/21	12,000	12,000	Inflow/Infiltration & Severe Natural Condition	Eastside Lift Station
7/27/21	264,000	264,000	Inflow/Infiltration & Severe Natural Condition	Eastside Lift Station
7/27/21	117,000	117,000	Inflow/Infiltration & Severe Natural Condition	Black River Outfall

III. NOTIFICATION:

This report is a matter of public record and will be filed in the City of Dunn, North Carolina Administrative Office. Notification to users or customers of the system will be made via the City's water bill of the availability of this report for viewing on the City website or at Public Works.

IV. 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 or customers of the named system and that the users have been notified of its availability.

Heather T. Adams
Public Utilities Director

2/28/22
Date