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**City Manager**  
Steven Neuschafer

## CITY OF DUNN 2020 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, 2020-December 31, 2020).*

### 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.

- II. **PERFORMANCE:** The City of Dunn Black River Wastewater Treatment Facility had four (4) reportable compliance violations in 2020. The average daily flow for the following months exceeded the permitted capacity of 3.75 MGD: January 2020 at 3.91 MGD, February 2020 at 4.53 MGD, June 2020 at 3.95 MGD, August 2020 at 3.79 MGD, and December 2020 at 3.79.

NCDENR Reportable Sanitary Sewer Overflows (SSOs): During the 2020 compliance period, there were the following reportable SSOs.

<b>Date</b>	<b>Total Volume (Gallons)</b>	<b>Total Volume reaching Surface Water (Gallons)</b>	<b>Cause</b>	<b>Location</b>
1/3/20	135,000	135,000	Inflow/Infiltration & Severe Natural Condition	Eastside Lift Station
2/7/20	720,000	720,000	Inflow/Infiltration & Severe Natural Condition	Eastside Lift Station
2/7.20	2,130,000	2,130,000	Inflow/Infiltration & Severe Natural Condition	Black River Outfall
6/20/20	612,000	612,000	Inflow/Infiltration & Severe Natural Condition	Black River Outfall
8/16/20	1,200,000	1,200,000	Inflow/Infiltration & Severe Natural Condition	Black River Outfall
8/16/20	210,000	210,000	Inflow/Infiltration & Severe Natural Condition	Eastside Lift Station
9/26/20	168,000	168,000	Inflow/Infiltration & Severe Natural Condition	Black River Outfall
9/30/20	108,000	108,000	Inflow/Infiltration & Severe Natural Condition	Black River Outfall
11/12/20	300,000	300,000	Inflow/Infiltration & Severe Natural Condition	Eastside Lift Station
11/12/20	576,000	576,000	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

1/12/21  
 Date



*where community matters*