



101 E Cleveland St • PO Box 1065 • Dunn, North Carolina 28335
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City of Dunn 2023 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, 2023-December 31, 2023).

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:

Black River WWTP: The City of Dunn Black River Wastewater Treatment Facility had one reportable compliance violation in 2023. During week 2 in September the weekly average BOD limit of 18mg/l was exceeded and 22.5mg/l was reported. This was 1 sample out of 104 pulled that year. There were several contributing factors for the compliance violation. There was 3.5 inches of rain that week. Also, construction

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for a plant upgrade on the aeration basin that dropped the capacity of the treatment plant in half, contributing to the exceedance of the BOD parameter.

NCDENR Reportable Sanitary Sewer Overflows (SSOs): During the 2023 compliance period, there were four reportable SSOs.


Date	Total volume (Gallons)	Total Volume reaching surface water (Gallons)	Cause	Location
4/9/2023	343,440	343,440	Inflow/Infiltration & Heavy Rain	Black River Outfall BR8
7/14/2023	19,000	19,000	Inflow/Infiltration & Heavy Rain	Machine & Welding Liftstation
7/14/2023	162,000	162,000	Inflow/Infiltration & Heavy Rain	Eastside Liftstation
7/14/2023	288,000	288,000	Inflow/Infiltration & Heavy Rain	Black River Outfall BR8

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.

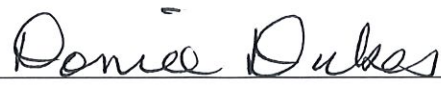
IV. CERTIFICATION:

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.



 Billy Cottle
 Distribution & Collection Manager

2/27/2024
 Date



 Donrie Dukes
 Wastewater Plant Manager/Superintendent/ORC

2/27/2024
 Date