



Annual Wastewater System Performance Report 2018-2019

*"We are a customer-centric organization that
delivers high-quality water services."*



Cape Fear
Public Utility Authority

Annual Performance Summary Report July 1, 2018, through June 30, 2019

Location / NPDES Permit	Type of Violation or Deficiency	Date	Parameter	Corrective Action
James A. Loughlin (Northside) WWTP / NC0023965	Permit Violation	September 2018	Flow	Flows returned to normal once rain and flood waters associated with Hurricane Florence subsided
M'Kean Maffitt (Southside) WWTP / NC0023973	None	N/A	N/A	N/A
Collection System / WQCS00012	None	N/A	N/A	N/A

Plant Bypasses and Sanitary System Overflows July 1, 2018, through June 30, 2019

In fiscal year 2019, CFPUA's collection system experienced 33 sanitary sewer overflows (SSOs) resulting in a total of 121,218 gallons of wastewater overflow, and 104,993 of those gallons reached surface waters. Hurricane Florence directly impacted 25 of those 33 SSOs. Northside Wastewater Treatment Plant (WWTP) experienced one plant bypass releasing 951 gallons, 250 of which reached the Cape Fear River. Southside Wastewater Treatment Plant experienced three plant bypasses into the Cape Fear River. The first bypass released 500 gallons, the second bypass released 5,250,000 gallons during Hurricane Florence, and the third bypass released 30,000 gallons. The list below details all sanitary sewer overflows and plant bypasses that resulted in 1,000 gallons or more reaching surface waters.

Month of SSO	Incident Start Date	Volume (Gallons)	Watershed	Location	Probable Cause
July 2018	7/17/2018	72,000	Smith Creek	One Tree Hill Way PS No. 10	Power Outage
	7/24/2018	2,550	Cape Fear River	Manhole on Water Street at RiverPlace bypass operation	Contractor
	7/29/2018	1,000	Burnt Mill Creek	Three manholes along Burnt Mill Outfall near Klein & 21st	Rainfall
	7/31/2018	6,200	Burnt Mill Creek	Five locations along the Burnt Mill Creek Outfall	Rainfall
	7/31/2018	1,500	Burnt Mill Creek	1100 block of Market Street	Rainfall
September 2018	9/14/2018	5,250,000	Cape Fear River	Southside Wastewater Treatment Plant	Hurricane Florence
	9/15/2018	1,800	Intracoastal Waterway	Landfall 2 Pump Station #65	Hurricane Florence
	9/16/2018	*14,400	Hewletts Creek	15th & Ann and 15th & Nunn	Hurricane Florence
	9/16/2018	*7,200	Burnt Mill Creek	Woodlawn Ave	Hurricane Florence
	9/17/2018	*3,600	Greenfield Lake	2200 Chestnut St.	Hurricane Florence
	9/17/2018	*2,850	Hewletts Creek	Prestwick Ln.	Hurricane Florence
	9/18/2018	1,300	Greenfield Lake	308 Colquitt Ln.	Hurricane Florence
	9/18/2018	10,500	Intracoastal Waterway	1400 Block of Market St.	Hurricane Florence
October 2018	10/26/2018	30,000	Cape Fear River	Southside Wastewater Treatment Plant	Control panel malfunction due to rainfall
November 2018	11/22/2018	2,035	Greenfield Lake	Manhole at 650 Wellington Ave.	Debris in line
December 2018	12/4/2018	1,500	Pages Creek	Manhole on outfall line behind 762 Mallow Rd.	Debris in line

**Volume estimated using best professional judgment and a worst-case scenario calculation given recorded conditions during the event. All system overflows were reported per North Carolina Department of Environmental Quality (NCDEQ) regulations and guidance.*

Contact Information

CFPUA is responsible for the daily operation of collection and treatment facilities and ensuring compliance with strict environmental standards. This fiscal year, CFPUA spent more than \$40 million to maintain, operate, and manage the sewer collection and treatment systems.

James A. Loughlin (Northside Plant) | 2311 N. 23rd St.
Permitted to treat 16 million gallons of wastewater per day

M'Kean Maffitt (Southside Plant) | 3436 River Rd.
Permitted to treat 12 million gallons of wastewater per day

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/customers of the CFPUA system and that those users have been notified of its availability.

For more detailed information about this report, contact an Operator in Responsible Charge (ORC) from those listed below:

Geoffrey Cermak, ORC | (910) 332-6562

James A. Loughlin (Northside) Wastewater Treatment Plant
Permit No. NC0023965

Steven Styers, ORC | (910) 332-6578

M'Kean Maffitt (Southside) Wastewater Treatment Plant
Permit No. NC0023973

Robert Daughtry, ORC | (910) 332-6637

CFPUA Utilities Collections System Superintendent
Permit No. WQCS00012

Notification of availability of this report is provided through printed notice on water/sewer bills and the Authority's website. This report was completed by staff of Cape Fear Public Utility Authority and is accurate to the best of our knowledge and belief.

Copies of this report are available at:

235 Government Center Drive

and

305 Chestnut Street

You may also access this report by visiting our website at
www.cfpua.org.

You Can Help Prevent Sewer Spills!

No grease or oil in your sink!
Grease will build up and clog pipes.



Do not flush wipes!
"Flushable" wipes are NOT actually flushable.
Wipes clog pipes!



Keep trees and plants away from sewer lines!
Roots grow quickly and cause blockages.

