

# Performance Annual Report

## I. General Information

Facility/System Name: City of Washington WWTP/System

Responsible Entity: City of Washington

Persons In Charge/Contact: Adam Waters/Bill Wynne

Applicable Permits: NC0020648 / NC0081191 WQ0019179

WQ0001026 / WQCS00087

Description of Treatment Process and Collection System:

Wastewater Treatment Plant – 3.65 MGD WWTP consisting of influent metering, mechanical bar screens, automatic aerated grit chamber, splitter box, aeration basin, two activated sludge oxidation ditches, four secondary clarifiers with scum removal and pumped return sludge, five tertiary deep bed denitrification sand filters with methanol storage and feed system, dual parallel chlorine contact chambers with flow paced liquid sodium hypochlorite feed, sodium bisulfate dechlorination system, post aeration, lime storage tower and dual lime injection vaults, caustic soda and alum feed system, four concrete sludge thickening lagoons, sludge recirculation pump station, effluent pump station, discharge into Tar River and water reuse system.

Collection System – Collection system consists of 74.35 miles of gravity sewer mains from 6” to 24” in diameter and 27.0 miles of force mains with 4963 service connections.

## II. Performance

Permit Violations / Environmental Regulations

1. September 19, 2016 - Spring Road A Pump Station spilled an estimated 5,000 gallons into surface water. The spill was due to 6.5 inches of rainfall in a short period of time. When rainfall stopped, system pumped down and area was cleaned and limed. No known environmental impacts occurred as a result of spill.

2. September 21, 2016 - An estimated 2,000 gallons of wastewater spilled into Jack’s Creek as a result of 4 inches of rainfall in a short period of time. No known environmental impact occurred as a result of this spill.

3. October 9, 2016 - At approximately 3:00 p.m. the generator supplying power to the city's main sewer pump station failed. Utility power had previously been lost as a result of Hurricane Matthew making landfall on the coast of Eastern North Carolina. A backup engine driven pump was put into operation and some flows into the station were redirected directly to the wastewater plant, however, this did not prevent approximately 1,000,000 gallons from spilling into Jacks Creek. The spill continued until approximately 4:30 p.m. on October 10, 2016 when utility power was restored. No known environmental impacts were observed as a result of this spill.

### III. Notification


A statement will be printed on the March 2017 utility bill mailed to City sewer users stating where to get a copy of the Wastewater Performance Annual Report or to ask questions. An announcement was also run on the local government access cable television channel.

Utility bill notice for March 2017 bills:

Copies of Washington's Wastewater Performance Report for 2016 are available by calling 927-9374.

### IV. Certification

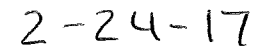
I Certify under penalty of law that this report is complete and accurate to the best of my knowledge. I further certify that this report has been made available to the users or customers of the named system and that those users have been notified of its availability.



Adam Waters

Water Resources Superintendent

City of Washington



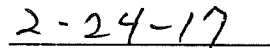
Date



Bill Wynne

Water & Sewer Supervisor

City of Washington



Date

## Wastewater Collection Report

During 2016 the Wastewater Collection Division responded to the following complaint calls:

146 – Sewer tap stoppages

2 – Mainline stoppages

113 – Customer sewer complaint calls

261 Total sewer complaint calls

The City of Washington Wastewater Collection Division provides routine sewer maintenance. We routinely clean sewers as a preventive step to reduce the number of stoppages. In 2016 we performed routine maintenance on 169 sewer taps. We cleaned and flushed a total of 8.12 miles of sewer mains and installed 11 cleanouts on taps.

The Wastewater Collection Division made 34 repairs to the sewer system in 2016. These repairs range from cleanouts to mainline repairs.

The Wastewater Collection Division inspected the outfall line right of ways twice during 2016. The outfall line was also sprayed by a contract spray company in 2016. The Division also inspected all high priority lines monthly during 2016.

