

Performance Annual Report

I. General Information

Facility/System Name: City of Washington WWTP/System

Responsible Entity: City of Washington

Persons in Charge/Contact: Hope Woolard/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 5043 service connections.

II. Performance

Permit Violations / Environmental Regulations:

1. January 9, 2018 – An 8" plug valve froze and burst on a Return Activated Sludge line at the WWTP. Plant personnel were at the facility at the time of the spill and immediately deployed spill mats and isolated flow. The spill was cleaned up with the City's Vac truck, the area was limed, sand dispersed and straw placed over the affected area. Approximately 400 gallons of sludge spilled with approximately 350 gallons entering the stormwater catch basin. No environmental impacts occurred as a result of this spill.
2. May 11, 2018 – At 1308 West 15th Street approximately 300 gallons spilled into Cherry Run Creek due to a failed level indicator and failed back up controller at the Lift Station. The area was limed and cleaned. No known environmental impacts occurred as a result of this spill.

3. May 13, 2018 – At the WWTP the on duty operator was transferring sludge from a lagoon to a truck to be land applied and the operator failed to shut the valve to the sludge decant vault prior to starting the pump to transfer. Approximately 1000 gallons spilled with approximately 100 gallons entering the stormwater catch basin. The valve was closed and spill stopped as soon as possible. Spill mats were deployed immediately and area was limed, sand dispersed and straw placed over the affected area. No environmental impacts occurred as a result of this spill.

III. Notification

A statement will be printed on the March 2019 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 will also run on the local government access cable television channel and the City of Washington's website.

Utility bill notice for March 2019 bills:

Copies of Washington's Wastewater Performance Report for 2018 are available by calling 975-9310.

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.

Hope Woolard

Hope Woolard
Water Resources Superintendent
City of Washington

2-6-19

Date

Bill Wynne

Bill Wynne
Water & Sewer Supervisor
City of Washington

2-6-19

Date

Wastewater Collection Report

During 2018 the Wastewater Collection Division responded to the following complaint calls:

113 – Sewer tap stoppages

1 – Mainline stoppage

120 – Customer sewer complaint calls

234 - 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 2018 we performed routine maintenance on 82 sewer taps. We cleaned and flushed a total of 8.66 miles of sewer mains and installed 6 cleanouts on taps.

The Wastewater Collection Division made 49 repairs to the sewer system in 2018. These repairs range from cleanouts to mainline repairs.

The Wastewater Collection Division inspected the outfall line right of ways twice and mowed the outfall line during 2018. The Division also inspected all high priority lines monthly during 2018.

