

WASTEWATER COLLECTION SYSTEM 2022 PERFORMANCE REPORT

For Distribution to NC State University Wastewater Collection System Users

Annual Performance

During the calendar year 2022, NC State University operated and maintained its wastewater collection system in accordance with Permit No. WQCS00371 and State and Federal laws with no violations.

Sanitary Sewer Overflows

No sanitary sewer overflows (SSOs) occurred during 2022.

Unauthorized Discharge

One unauthorized discharge totaling approximately 800 gallons occurred in January 2022. On January 14, 2022, when the Utilities Distribution (UD) Shop began clearing a backed up wastewater line, some wastewater that was under pressure was inadvertently discharged on a natural area and a driveway along Sullivan Drive. The UD Shop opened the nearest sanitary sewer manhole cover along Sullivan Drive and directed the wastewater to return back into the wastewater collection system (WWCS). After the blocked line was cleared, UD Shop personnel flushed the overflow pathway with water into the open sanitary manhole. Because there are no nearby stormwater inlets downstream of the discharge and Sullivan Drive is curbed, none of the overflow entered into the campus stormwater collection system or nearby Rocky Branch Creek. The N.C. Division of Water Resources Raleigh Regional Office was contacted and determined that this unauthorized discharge was not a reportable release.

Background

Wastewater collection systems are governed by North Carolina General Statute 143-215.1C and North Carolina Administrative Code Title 15A Chapters 2 and 8. Permit No. WQCS00371, issued by the NC Division of Water Resources, allows NC State University to operate and maintain more than 20 miles of sewer lines and associated piping, valves, and appurtenances required to make a complete and operational wastewater collection system to serve the campus in an environmentally sound manner. The sewage and wastewater collected by this system are

discharged into the City of Raleigh's wastewater collection system and treated at its Neuse River Facility. SSOs that release more than 1,000 gallons to the ground or any amount to surface water (including through ditches and storm drains) must be reported to the state.

A key to preventing SSOs is keeping fats, oils and grease (FOG) out of the wastewater collection system. NC State encourages allowing FOG to cool and then be placed in a suitable container for recycle or disposed in the trash to keep FOG out of drains. Waste Reduction and Recycling in partnership with University Housing provides plastic "Cease the Grease" containers for FOG collection.

NC State maintains a 24-hour Facilities Division number [(919) 515-2991] to receive reports of sanitary sewer overflows and dispatches emergency personnel to minimize the environmental impact. It is likely that a SSO would be reported promptly as most sanitary sewer manholes on campus are clearly visible to students and staff.

Question/Comments

Please contact Alan Daeke at (919) 513-5081 if you have any questions or comments.