

WASTEWATER COLLECTION SYSTEM 2018 PERFORMANCE REPORT

For Distribution to NC State University Wastewater Collection System Users

Annual Performance

During the calendar year 2018, the NC State University wastewater collection system had no reportable sanitary sewer overflows, and was operated and maintained in accordance with Permit No. WQCS00371 and State and Federal laws with no known violations.

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 Quality, 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.

A key to preventing sanitary sewer overflows 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 provide plastic "Cease the Grease" containers for FOG collection.

Sanitary sewer overflows 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. NC State maintains a 24 hour Facilities Operations number (919) 515-2991 to receive reports of sanitary sewer overflows and dispatch emergency personnel to minimize the environmental impact.

Recognition

The Utilities Distribution Shop (UD) within the Facilities Division is responsible for keeping the wastewater collection system operating and for responding to overflows. Tom Nash, the UD Supervisor, and three shop employees - John Lassiter, Brent Clayton and David Horne - are certified Wastewater Operators who do an excellent job in maintaining the system. Thanks to their effects to proactively identify and correct problems and their preparedness to respond to overflows, NC State has not had a reportable sanitary sewer overflow event in the past 5 years.

Special thanks also go out to Sara Smith in Campus Enterprises. Sara's innovative work, dedication and inspiration within University Dining have led to significant reductions in the amounts of fats, oil, and grease entering the wastewater collection system.

Question/Comments

Please contact Jenny Kelvington at (919) 513-7176 if you have any questions or comments.