

WESTERN CAROLINA UNIVERSITY

WASTEWATER OPERATIONS



2017 ANNUAL PERFORMANCE REPORT

FOR CALENDAR YEAR 2016

During the 2016 calendar year

Western Carolina University owns and maintains approximately 20,000 feet of wastewater lines and 104 manholes for the purpose of wastewater collection. The lines and manholes are all located within the WCU campus.

The wastewater collection lines empty into sewer lines owned and maintained by Tuckasegee Water and Sewer Authority.

During the 2016 calendar year the wastewater collection system performed satisfactorily resulting in no wastewater reaching surface waters.

A formal program of inspection and cleaning is in place.

The entire collection system is visually inspected on a biannual basis.

Quarterly cleaning of cafeteria grease traps.

On campus F.O.G. (fat, oil, and grease) education materials have been passed out to all restaurants and food service business.

During 2016 high priority lines were inspected every four months.

Problems arose in Zone 4, lines were jetted to clear debris, and flow returned to normal. Roots were found in system and removed by jetter.

Zone 3 had backup problems at manhole 315, roots were found in system and removed with jetter.

Zone 2 had low flow, jetted 400' of sewer to restore flow.

Zone 1 had a small blockage in the line it was jetted and flow returned to normal. Roots were found in system and removed with jetter.

A new zone was created and put on line to accommodate Noble Hall.

Zone 11 was created for retail business and Noble Hall, all connections were checked and tested.

2254 feet of sewer lines were cleaned by high pressure cleaning.

Critical parts of the system, that cross Cullowhee Creek, were inspected quarterly and found to be in satisfactory condition.

Any questions or comments concerning the Western Carolina University wastewater collection system or this report may be directed to :

Lee Smith

Director of Operation & Maintenance

**Facilities Management
Western Carolina University
Cullowhee, NC 28723
Phone 828-227-7224
Email: blsmith@email.wcu.edu**



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Comments and suggestions to blsmith@email.wcu.edu