

## **Annual Wastewater Collection System Report July 2018-June 2019 Performance Period**

### **General Information**

Regulated entity: Old North Utility Services, Inc.

Collection System Permit Number: WQCS 00029

Official responsible person in charge (ORC):

Kevin McLaughlin

PO Box 73316

Fort Bragg, NC 28307

(910) 495-1311

### **Description of Collection System**

The Fort Bragg Wastewater Collection System is owned and operated by Old North Utility Services, Inc. (ONUS) and consists of approximately 1,652,151 linear feet of sewer line ranging in diameter of 2" to 36" and 167 sewer lift stations. All wastewater, averaging 4.8 MGD, is discharged to a lift station owned and operated by Harnett County that delivers the wastewater to the Harnett County South Regional Wastewater Treatment Facility.

### **Collection System Inspection**

A Collection System Inspection was performed by the North Carolina Department of Environmental Quality on June 20, 2017. Old North Utility Services, Inc. was found to be in compliance with permit WQCS 00029.

### **Collection System Upgrades**

Replacement or Upgrade of over 41,978 Linear Feet of Sanitary Sewer - ONUS has completed approximately 41,978 LF of sanitary sewer replacement or upgrades over the past year, using Cured-In-Place-Pipe (CIPP) in the COSCOM and Area A & 2, within Fort Bragg. The CIPP method utilizes trenchless technology and significantly minimizes installation excavation and customer disruptions.

Upgrades to Lift Stations and Replacement of Force mains - ONUS is investing over \$9 million in lift station and force main upgrades. These system improvements started in 2011 and will continue through 2019. Key projects include:

### **Completed between July 1, 2018 and June 30, 2019**

- Installed Several New Sewer systems to new Buildings at Range 37, Eagle Talon, AFFES on Smoke Bomb Hill, SOF Engineer Training Facility, SOF Civil Affairs Battalion, Rifle Range on the installation.
- New Sewer service installed at the ATF complex, Fort Bragg Fairgrounds, Rowe Training Facilities and buildings: E-2040, E2633, H-5786.
- Replacement of ring and covers (100) and manhole rehabilitation (192) throughout the COSCOM area on Fort Bragg.

### **Began between July 1, 2018, and June 30, 2019**

- Sanitary Sewer replacement of ring and covers and manhole rehabilitation throughout the COSCOM area of Fort Bragg.
- Sanitary sewer replacement and upgrades in Division West, Pope North and East areas of Fort Bragg, using CIPP technology. Work is expected to continue throughout 2019.

### **System Care and Maintenance**

ONUS recognizes that the Cape Fear River Basin is a valuable resource to residents of Fort Bragg and the surrounding community. ONUS's investments since the 2008 acquisition of the sanitary sewer collection system have reduced the number and volume of Sanitary Sewer Overflows (SSOs) significantly from prior years (Chart II). The projects planned for 2019 and beyond will continue to improve system performance and protect our resources from unauthorized discharges. ONUS has also partnered with the Womack Division of Preventive Medicine (WDPM) to provide mandatory training to all commercial food handlers on Fort Bragg.

### **Sanitary Sewer Overflow (SSO)**

Sanitary Sewer Overflows occur when wastewater is discharged from the sanitary sewer system to the ground. Any wastewater spill in excess of 1,000 gallons or any amount that reaches surface waters (including through ditches, storm drains etc.) must be reported to the Division of Water Quality and revealed in this report to customers. There are several causes for sanitary sewer overflows, such as excessive rainfall that causes overloading of sewer lines, structural damage, vandalism, grease, and electrical failures.

Cooking grease and debris, such as shop rags and baby wipes, in sewer lines are the primary causes of sanitary sewer overflows in the Fort Bragg wastewater collection system (see chart I). Fort Bragg residents can help ONUS reduce the number of overflows by following these simple steps:

- Collect fats, oils, and grease (FOG) from cooking in a container and dispose of it in the garbage instead of pouring it down the drain.
- Place a wastebasket in each bathroom for the disposal of condoms, razors, wipes, disposable diapers, and personal hygiene products. These products DO NOT belong in the sewer system. Never use a toilet as a garbage can.
- Place food scraps in the garbage with your household solid waste instead of disposing of them down the kitchen sink.
- Place disposable shop rags in the garbage can. Do not put any shop rags into the wastewater collection system. Place petroleum, oil and lubricant contaminated shop rags (disposable and non-disposable) in appropriate contaminated containers for proper turn in/disposal. Any fuel contaminated rags are classified as hazardous waste by Fort Bragg. Contact 910-396-2141 for guidance.

Four SSOs over 1,000 gallons occurred during the 2018-2019 compliance period. Please refer to the table below for volumes and reasons for each SSO occurrence. ONUS immediately responded to each spill notification and followed proper procedures for clean-up and public notifications.

**Table 1: Sanitary Sewer Overflows from July 1, 2018 – June 30, 2019**

DATE	LOCATION	ESTIMATED VOLUME (gallons)	VOLUME TO SURFACE WATERS (gallons)	SURFACE WATER NAME	CAUSE OF SSO
9/18/2018	Manhole 2176	6,000	6,000	Beaver Creek	Hurricane Florence
9/28/2018	Little River Crossing – Manchester Road	2,880	2,880	Little River	Hurricane Florence
6/03/2019	Irwin and Searight	3,000	3,000	Beaver Creek	Vandalism
7/28/2019	Rhine Road and Monteburg	3,000	0	N/A	Grease

ONUS has invested monies into replacement and maintenance projects for the collection system at Fort Bragg, North Carolina. While we strive to completely eliminate SSOs, we are proud of our efforts to date. Chart I demonstrates the primary causes of our SSOs. Chart II analyzes the total number of SSOs from 1999 to the present. Since assuming operations in 2008, there has been a significant reduction in quantity and volume of spills. This indicates that our efforts to date are successful, and we look forward to continuing improvements in the years to come.

**Chart I: Sanitary Sewer Overflows by Type (July 1, 2010 – June 30, 2019)**

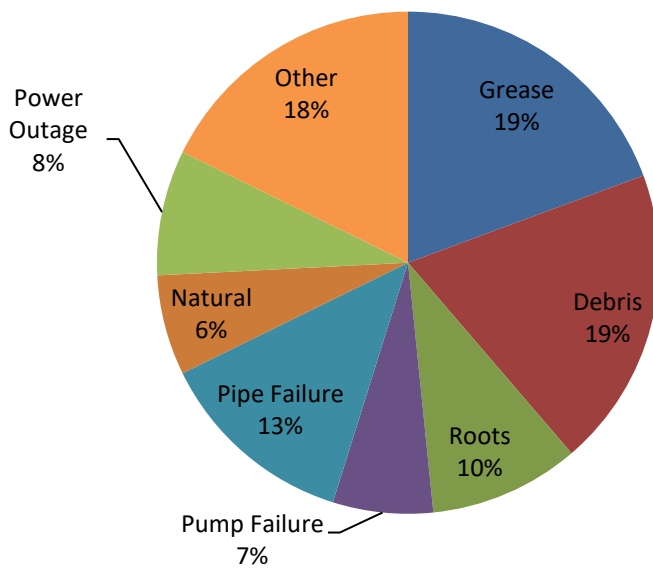
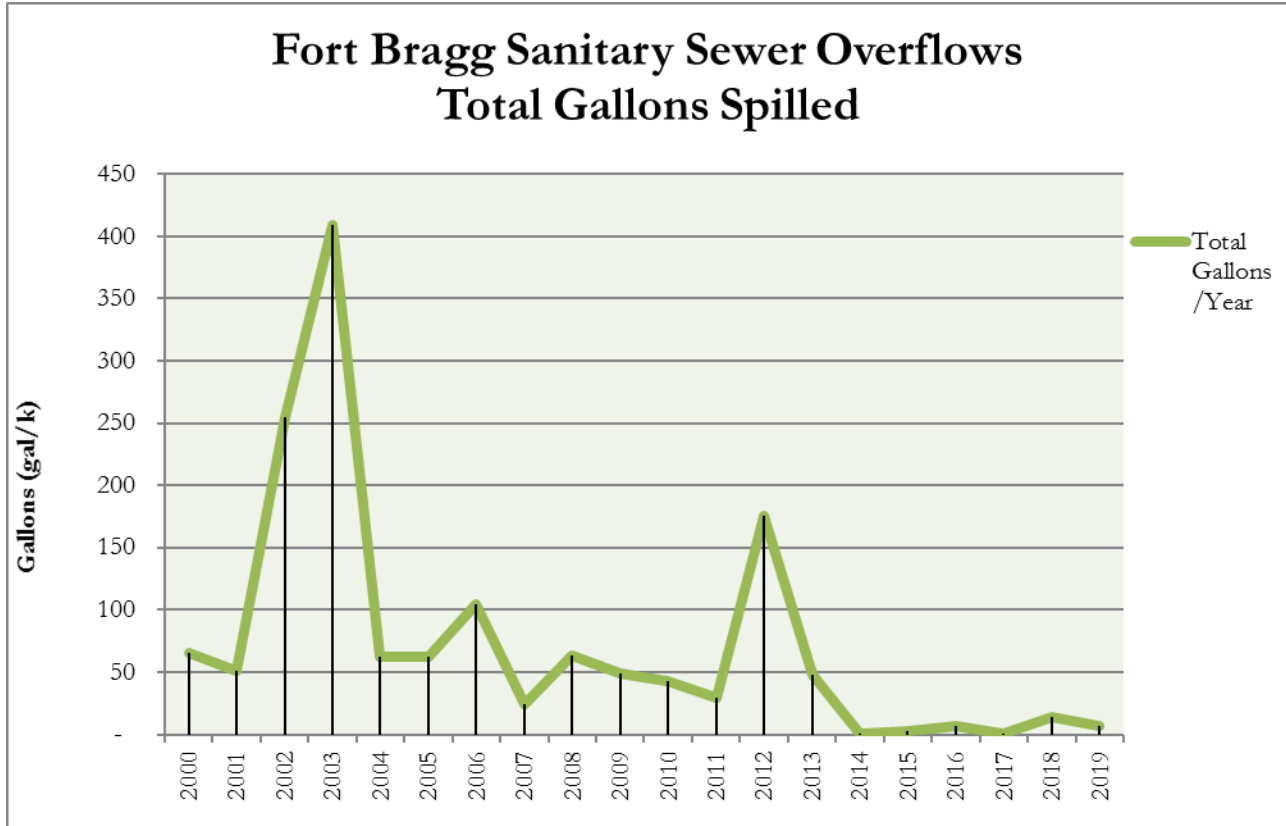


Chart II- Sanitary Sewer Overflows – Volume (1999– June 30, 2018)



***Notification***

Our customers will be notified via the *Fort Bragg Paraglide* that this report is available at the Old North Utility Services Customer Service Center or Fort Bragg Directorate of Public Works, Environmental Compliance Branch.

***Certification***

The public water system named above hereby affirms that the information contained within this report is accurate and complete.

Environmental Coordinator: Meaghan Wright  
Name

*Meaghan Wright*  
Signature

Date of Certification: 8/25/2019