

## **Annual Wastewater Collection System Report July 2017-June 2018 Performance Period**

### **General Information**

Regulated entity: Old North Utility Services, Inc.

Collection System Permit Number: WQCS 00029

Official responsible person in charge (ORC):

Corey Locklear  
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 63,445 Linear Feet of Sanitary Sewer - ONUS has completed approximately 63,445 LF of sanitary sewer replacement or upgrades over the past year, using Cured-In-Place-Pipe (CIPP) in the COSCOM, Simmons Army Airfield, and Y Area 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 2018. Key projects include:

### **Completed between July 1, 2017 and June 30, 2018**

- Installed Several New Sewer systems to new Buildings on the installation at Camp Mackall Patriot Point and new Infrastructures near Reilly Rd and Gruber Rd
- New Sewer service installed Rowe Training Center and at ATF complex
- New drying beds with a canopy used to dry out solids from line cleaning during CIPP and daily line cleaning done by the Operations and Maintenance team.

### **Began between July 1, 2017, and June 30, 2018**

- Sanitary Sewer replacement of ring and covers and manhole rehabilitation throughout the Simmons, COSCOM, Y area and H areas of Fort Bragg.
- Sanitary sewer replacement and upgrades in the 3 areas of Fort Bragg, using CIPP technology. Work is expected to continue throughout 2018.

### **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 2018 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.

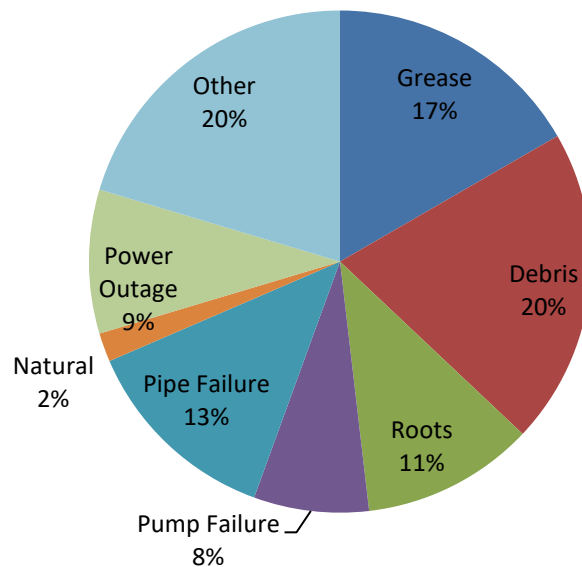
Three SSOs occurred during the 2017-2018 compliance period, totaling 4,680 gallons. Please refer to the table below for volumes and reasons for each SSO occurrence. ONUS immediately responded to each spill notification and followed proper procedures for clean-up and public notifications.

**Table 1: Sanitary Sewer Overflows from July 1, 2017 – June 30, 2018**

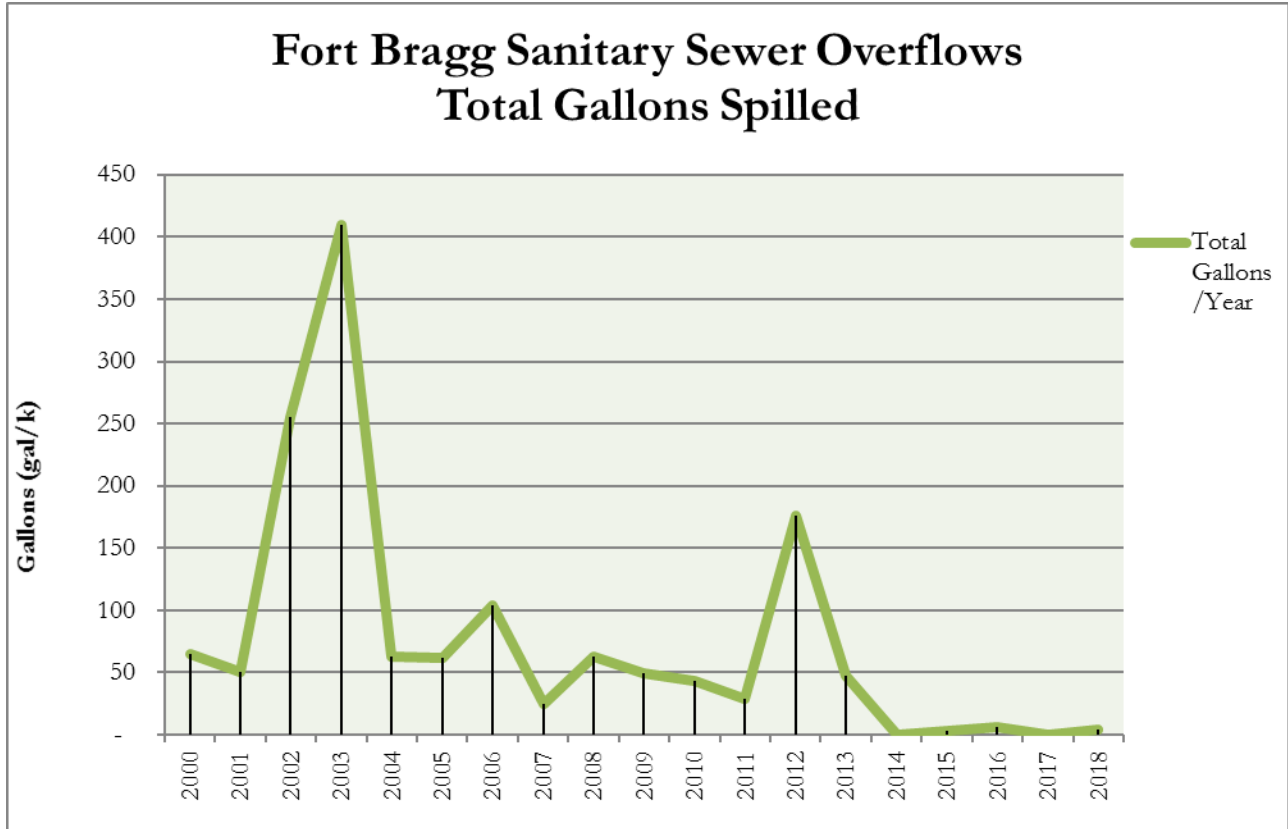
DATE	LOCATION	ESTIMATED VOLUME (gallons)	VOLUME TO SURFACE WATERS (gallons)	SURFACE WATER NAME	CAUSE OF SSO
11/29/2017	Bldg. 2-6118	400	400	Tank Creek	Root Intrusion
2/03/2018	Bldg. 1-1139	500	500	Beaver Creek	Grease Blockage
6/13/2018	Bldg. D-1004	3,780	0	N/A	Debris in line

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, 2018)**



**Chart II- Sanitary Sewer Overflows – Volume (1999– June 30, 2017)**



***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 (Signature) Meaghan Wright (Print Name)

Date of Certification: August 30, 2018