



Annual Wastewater Collection System Report July 2023-June 2024 Performance Period

General Information

Regulated entity: ASUS - Ft. Liberty

Collection System Permit Number: WQCS 00029

Official responsible person in charge (ORC):

Corey Locklear

PO Box 73316

Fort Liberty, NC 28307

(910) 495-1311

Description of Collection System

The Fort Liberty Wastewater Collection System is owned and operated by ASUS - Ft. Liberty and consists of approximately 1,567,046 linear feet of sewer line ranging in diameter of 4" to 42" and 173 sewer lift stations. All wastewater, averaging 3.18 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 August 15, 2023. ASUS - Ft. Liberty was found to be in compliance with permit WQCS 00029.

Collection System Upgrades

Replacement or Upgrade of over 15,210 Linear Feet of Sanitary Sewer - ASUS - FT. LIBERTY has completed approximately 15,210 LF of sanitary sewer replacement or upgrades over the past year, using Cured-In-Place-Pipe (CIPP) in Area D, Area E, Area 3, Pope AAF Outfall and Area 4 within Fort Liberty. The CIPP method utilizes trenchless technology and significantly minimizes installation excavation and customer disruptions.

Upgrades to Lift Stations and Replacement of Force mains - ASUS - FT. LIBERTY is investing over \$15 million in lift station and force main upgrades. These system improvements started in 2022 and will continue through 2029. Key projects include:

Completed between July 1, 2023 and June 30, 2024

- Installed Several New Sewer systems to new building at SOTF MWD Facility and SOTF Ops Facility on the installation.
- Replacement of ring and covers and manhole rehabilitation (156) throughout the Area D Rehab area on Fort Liberty.



Began between July 1, 2023, and June 30, 2024

- Sanitary Sewer replacement and upgrades in Area D, Area B, Area 3 & Area 4 of Fort Liberty, using CIPP technology. Work is expected to continue throughout 2024 & 2025.

System Care and Maintenance

ASUS - FT. LIBERTY recognizes that the Cape Fear River Basin is a valuable resource to residents of Fort Liberty and the surrounding community. ASUS - FT. LIBERTY'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 2024 and beyond will continue to improve system performance and protect our resources from unauthorized discharges. ASUS - FT. LIBERTY has also partnered with the Womack Division of Preventive Medicine (WDPM) to provide mandatory training to all commercial food handlers on Fort Liberty.

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 Liberty wastewater collection system (see chart I). Fort Liberty residents can help ASUS - FT. LIBERTY 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 Liberty. Contact 910-396-2141 for guidance.

One SSO event occurred during the 2023-2024 compliance period. Please refer to the table below for volumes and reasons for each SSO occurrence. ASUS - FT. LIBERTY immediately responded to each spill notification and followed proper procedures for clean-up and public notifications.



Table 1: Sanitary Sewer Overflows from July 1, 2023 – June 30, 2024

DATE	LOCATION	ESTIMATED VOLUME (gallons)	VOLUME TO SURFACE WATERS (gallons)	SURFACE WATER NAME	CAUSE OF SSO
1/30/2024	Manhole at Stiner Rd and Cargo Master Rd	250	250	Tributary of Tank Creek	Grease

ASUS - FT. LIBERTY has invested monies into replacement and maintenance projects for the collection system at Fort Liberty, 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, 2024)

**ONUS SSOs by Type
2010-2024**

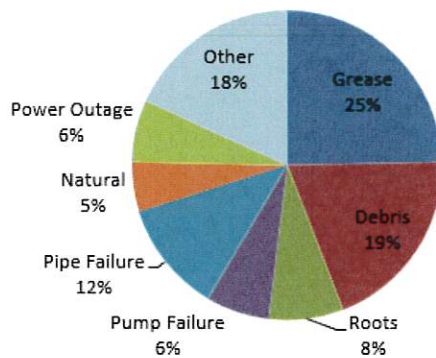
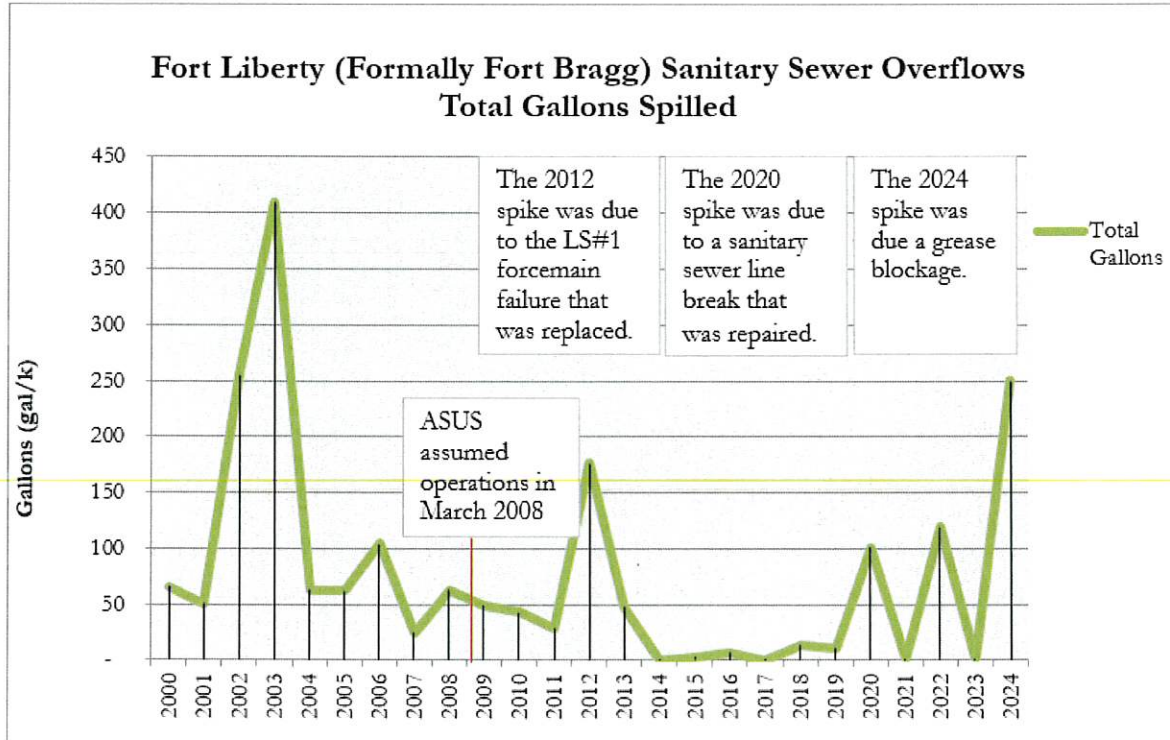




Chart II- Sanitary Sewer Overflows – Volume (1999– June 30, 2024)



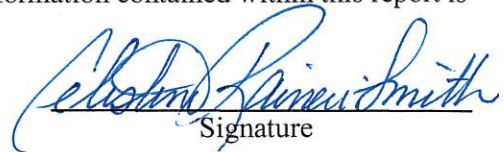
Notification

Our customers will be notified via the *ASUS* website (www.asusinc.com) and *Fort Liberty Paraglide* that this report is available at the ASUS - Ft. Liberty Customer Service Center or Fort Liberty 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: Celestine Raineri-Smith
Name



Signature

Date of Certification: 8/29/2024