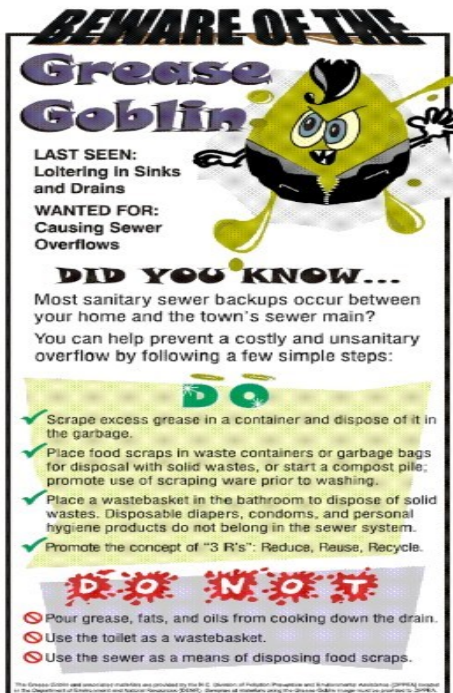


ENVIROMENTAL PROTECTION PROGRAMS

WANTED!!

FATS, OILS, AND GREASE (FOG) ENFORCEMENT STAFF SEARCHING FOR THIS INDIVIDUAL.....

YOU CAN HELP!



BEWARE OF THE Grease Goblin

LAST SEEN:
Loitering in Sinks and Drains

WANTED FOR:
Causing Sewer Overflows

DID YOU KNOW...
Most sanitary sewer backups occur between your home and the town's sewer main? You can help prevent a costly and unsanitary overflow by following a few simple steps:

DO

- ✓ Scrape excess grease in a container and dispose of it in the garbage.
- ✓ Place food scraps in waste containers or garbage bags for disposal with solid wastes, or start a compost pile; promote use of scraping ware prior to washing.
- ✓ Place a wastebasket in the bathroom to dispose of solid wastes. Disposable diapers, condoms, and personal hygiene products do not belong in the sewer system.
- ✓ Promote the concept of "3 R's": Reduce, Reuse, Recycle.

DO NOT

- ✗ Pour grease, fats, and oils from cooking down the drain.
- ✗ Use the toilet as a wastebasket.
- ✗ Use the sewer as a means of disposing food scraps.

The Grease Goblin and associated materials are provided by the U.S. Division of Pollution Prevention and Environmental Assistance (DPP&EA) support to the Operational Sustainability and Pollution Prevention (OSPP) program at facilities using the Grease Goblin logo. For more information, visit www.epa.gov/grease.

Environmental Commitment

The General assembly of North Carolina requires that all entities that operate a wastewater collection system make an annual report available to their customers.

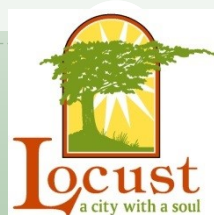
The following professionals are designated by the State of North Carolina as the Operator in Responsible Charge (ORC) and the Back-up ORC of the City of Locust's wastewater collection system:

ORC: Tim Flieger, Cert# 994828
Backup ORC: Chris McLain, Cert# 1002246

Copies of this report are available @ City Hall and on the City's website @ www.locustnc.com.

I certify under penalty of law that this report is complete and accurate to the best of my knowledge. I further certify that this report has been made available to the users and customers of the named system and that those users have been notified of its availability .

Timothy C Flieger
Director of Public Works, City of Locust



City of Locust

2016-2017

Annual Wastewater System Performance Report



Wastewater Collections System
Meadow Creek Vacuum Station #2
Meadow Creek Church Rd Locust NC



2016-2017 Annual Report

What is Wastewater?

Wastewater is a term applied to water that has been used to bathe, wash dishes, do laundry, and flush toilets at home, as well as what is created as a by product through manufacturing, industrial or commercial activities. The City of Locust has an extensive system of pipes that collects both the domestic and industrial wastewater and transports it to the wastewater treatment plants in Oakboro, operated by Stanly County Utilities.

The City of Locust wastewater collection system has approximately 1,036 sewer connections that serve residential, commercial, and industrial customers. The system is unique in design, because it has all types of available sewer (gravity, vacuum, low-pressure, and forcemain) serving our city. There are approximately 48 miles of sewer line ranging from 4 to 12 inches in diameter. There are roughly 535 gravity manholes and 215 vacuum pits. There are 8 lift stations and 3 pump stations that convey the sewer through the system and on to Stanly County Utilities' treatment plant in Oakboro. Lift stations are located in areas where gravity flow can no longer be achieved and pump stations convey the sewer to the treatment plant.

During the reporting period (2016-2017) the City of Locust collected approximately **61.07 million gallons** of wastewater.

PERFORMANCE AND ACCOMPLISHMENTS

The City of Locust's Public Works Department performs the operation and maintenance of the collection system and its stations. The department consists of 4 full-time employees, who are ready to respond 24/7 to all wastewater opportunities. Maintenance staff responded to **28 after hours station calls** during the reporting period and **9 after hours system calls**.

Station maintenance consists of visiting the pump stations 1-2 times a week, landscape/lawn maintenance, housekeeping, wet well cleaning, pump efficiency evaluations, and all mechanical maintenance and repairs that arise. Overhauled Sewer pump @ CVLS#4 & WMLS#9. Conducted pm services on all vacuum pumps @ BHVS#1 & MCVS#2.

System maintenance consists of line cleaning, I/I reduction, F.O.G (fats, oil, and greases) education/enforcement, service tap installation (**15 NEW in 2016/2017**), maintenance and repair of our low pressure sewer system (25 grinder pumps), repairs to sewer main lines, account collection/disconnection enforcement, 24/7 sewer related customer call ins, and inspection and mowing of all off-road sewer right of ways/easements (5.6 mile). The following is just a brief highlight of our maintenance year in review.

Inflow and infiltration is one of the largest obstacle in running an efficient system. We manage this challenge with an aggressive **I/I Reduction Program**. During 2016/2017 we conducted **Sanitary Sewer Evaluation Studies (SSES)** in two of our sanitary sewer basins, 200NSSSB & ESSSSB. During these studies we performed smoke testing, visual manhole inspections, and flow evaluations. At completion of the study, 27 point failures were found and 9 manholes were determined to be in need of immediate repair. All repairs were scheduled and made immediately. Carolina Management Team (CMT) was contracted to perform the manhole rehab and the City of Locust Public Works Dept. completed the other needed repair. The battle will continue and we'll keep fighting to minimize I/I.

The City of Locust continues to enforce our **Fats, Oils, and Grease (FOG) Program**. We do this by conducting random **inspections of Food Service Establishment (FSE)** and their facilities. During the current reporting period, Public Works staff conducted **35 on-site inspections**. Education is the best tool we have in the fight against F.O.G. During FSE inspections we're constantly working with members to make sure they're using Best Management Practices (BMP). In addition, we continue to utilize our website for educational purposes.

EDUCATIONAL

Flushables and your wastewater system

Human waste and toilet paper should be the only thing going down the toilet. Unfortunately, over the years people have decided to turn the toilet into a trash can. From medication and sanitary products to deceased pet fish, if it fits, people flush it.

Flushing these items unnecessarily wastes water (up to 5 gallons per flush), can cause backups in the customers plumbing and the public sewer, excessive damage to pumps, and most importantly can create major impacts on our sewers, the **environment**, and the **water we strive to protect**.

The following is a list of items you should **NEVER** flush....

- Sanitary products
- Paper towels
- Diapers
- Baby wipes
- Facial tissues
- Condoms
- Dental floss

VIOLATIONS

The City of Locust had (0) zero reportable spill during the reporting period.