

This annual report for the Town of Edenton is prepared and submitted as required by the Clean Water Act of 1999, as passed by the North Carolina General Assembly, House Bill 1160. This report summarizes the Town of Edenton's Collection System performance over the twelve month period from January 1, 2015 to December 31, 2015.

Overview of the Collections System

The Town of Edenton owns and operates the collection system. The system operates under permit #WQCS00272, which is issued by the State of North Carolina.

On average, the town collects and pumps 779,000 gallons of wastewater daily through 22.5 miles of gravity mains, 23.25 miles of pressurized force mains, and 22 sewer lift stations to the town's wastewater treatment plant.

All of the town's lift stations are equipped with audio and visual alarms. At the present time 15 of the lift stations are equipped with S.C.A.D.A. (Supervisory Control and Data Acquisition) systems. Each lift station is inspected and cleaned at least 5 times each week by town employees. The town has 4 portable generators for power failures for the stations that are not equipped with permanent stand-by generators. In addition, the town has developed a contingency plan for lift station failures. This includes emergency equipment, supplies and employees available for 24 hour service.

Collection System Performance

The goal of any collection system is to have Zero spills or overflows. Unfortunately, because lift stations are mechanical devices, there are going to have failures from time to time. Also, the piping of the collection is vulnerable to blockages from grease, roots and other intrusions.

In order to protect the system from failures and blockages, the town routinely inspects, cleans, and repairs the system. This is to prevent future problems from occurring. This past year, 17,072 feet, over 10 percent of the system, has been cleaned. All of the systems High Priority Lines have been inspected hands-on to ensure the proper operation and to avoid environmental disturbances. The town's Water and Sewer division also has a weekly cleaning schedule of lines to be cleaned.

Spill Information

The Town of Edenton had 4 Sanitary Sewer Overflows in the period beginning January 1, 2015 to December 31, 2015.

- On June 26, 2015 the Town of Edenton experienced an overflow of approx. 800 gallons of untreated wastewater at the intersection of North Broad Street and Paradise Road. Manholes 499 and 500.
- On September 30, 2015 the Town of Edenton experienced an overflow of approx. 13,650 gallons of untreated wastewater at the intersection of North Broad Street and Paradise Road. Manholes 499 and 498.
- On September 30, 2015 the Town of Edenton experienced an overflow of approx. 2,400 gallons of untreated wastewater at 716 North Granville Street. Manhole 15.

- On December 14, 2015 the Town of Edenton experienced an overflow of approx. 240 gallons of untreated wastewater at the intersection of North Broad Street and Paradise Road. Manholes 499 and 498.

All of the necessary measures were taken to address, correct, and minimize future overflow events. The North Carolina Department of Environmental and Natural Resources, Division of Water Quality in Washington, NC was notified after each of these overflow events.

What are we doing?

The Town of Edenton is aggressively pursuing sources of inflow and infiltration (Storm water entering the collection system). This (I&I) not only contributes to overflows, but caused added expense to the town to pump and treat this storm water.

We have begun a compressive inspection of every manhole in our collection system. During the beginning stages of these inspections, we found some manholes that were not only structurally unsound, but also taking on a lot of storm water. We have already begun to raise these manholes above the ground level. The town has also procured a contractor who is repairing and sealing these manholes, to bring them back to like new condition.



Before



After

Beginning in December, the Town of Edenton began smoke testing of the two lift station drainage basins where these overflows have occurred. This smoke testing has identified many defects in the collection system where (I&I) has been occurring. We have already begun repairing some of the identified defects and are in the planning process for the others. These repairs will help ensure that we can minimize future overflow events.



What Can You Do?

The Town of Edenton does everything it can to prevent sewer spills and overflows, but we can't do it alone. You play an important role in helping us maintain an efficient collections system. Since the majority of overflows are caused by improper disposal of items into the collections system, we suggest the following guidelines:

- Avoid pouring fats, oils or grease from cooking down the drain. Instead, collect them in a container and dispose of them in the trash.
- Don't use the toilet as a wastebasket. Place a wastebasket in the bathroom to dispose of items such as disposable diapers and personal hygiene products.
- Most items marked as flushable (i.e., flushable wipes) are not really flushable. They do not biodegrade as toilet tissue does. These are very harmful to the collections system.
- Don't pour hazardous products such as paint, pesticides, or herbicides down the drain.
- Keep an eye out for anyone other than a town employee working on or dumping anything into a manhole.

This report is made available to the public at www.TownofEdenton.com and at Town Hall.

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