

Town of Chadbourn

2015 Wastewater Collection System Performance

Annual Report

I. General Information

Facility/System Name: Town of Chadbourn Sewer System
Responsible Entity: Town of Chadbourn
Person in Charge/Contact: Robert Jones, Town Manager

Applicable Permit(s): WQCS00179

Description of Collection System:

The wastewater collection system consists of approximately 21 miles of force main and gravity pipe ranging from 8 to 10 inches. There are seven pump stations in the system which lifts wastewater from low areas to main outfall lines. Three pump station are equipped with a standby generators for emergency power. The current average flow of wastewater generated by this collection system is .32 million gallons per day. The population served by this collection system is 1856. The wastewater is pumped to the Town of Chadbourn Wastewater Treatment Plant in Chadbourn.

II. Performance

There was one reportable sanitary overflow during this reporting period. It occurred on March 31, 2015 for an approximate total of 3000 gallons due to root intrusion. No sewage reached surface waters. The town is aggressively working to upgrade and improve the collection system. A maintenance program requiring at least 10 percent of the system to be cleaned each year and a visual inspection of every manhole is in place. Operational checks of the pump stations are done on a daily basis to ensure optimal performance. A new sewer inspection camera was purchased to assist the town in the maintenance of the system.

III. Education

Help Prevent Overflows

Essentially, a wastewater collection system is like a transportation system. The pumps and pipes transport wastewater from our customers to the wastewater treatment plant. We have to do all we can to make sure “traffic” isn’t allowed to backup. On the highway it would be called a traffic jam. In our case, when “traffic” backs up, it’s called an overflow. Overflows are bad for the environment, and can result in stiff penalties from the state regulators.

Most overflows occur when a blockage prevents the normal flow of wastewater. This causes a build up in the pipe that can eventually spill out of the top of a manhole or clean-

out. The majority of the overflows on our system are caused by blockages, which often occur as a result improper disposal of grease. Some overflows are caused by excessive inflow and infiltration (I&I) or leaks into the sewer system. To a lesser extent, some problems are caused by tree roots, pipe failure or construction damage. Most are a result of grease and/or other debris.

Chadbourn Public Works Department does everything it can to prevent sewer overflows. But we can't do it alone. You play an important role in helping us maintain an efficient public sanitary sewer system. Since the majority of overflows are caused by the improper disposal of items into the sewer system, we ask you to be aware of the following guidelines:

- Avoid pouring fats, oils or grease from cooking down the drain. Instead, collect them in a container and dispose in the trash.
- Don't use your toilets as a wastebasket. Place a wastebasket in the bathroom to dispose of items such as disposable diapers and personal hygiene products.
- Unless you have a garbage disposal, please don't use your drain to dispose of food scraps.
- Don't pour hazardous products such as paint, pesticides down the drain.

IV. Notification

A copy the Performance Annual Report is posted to our website (www.townofchadbourn.com) or one can be obtained from the Town Hall.

V. Certification

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 or customers of the named system and that those users have been notified of its availability.

Robert Jones, Town Manager
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