



Town of Wrightsville Beach

2007 System Performance Report

Wastewater Collection System

In an effort to keep citizens informed and maintain compliance with State of North Carolina requirements, Wrightsville Beach Public Works Water and Sewer Department is pleased to provide the 2007 Annual Wastewater Report. This report is an overview of the year operation, maintenance, and performance of its wastewater collection system during 2007. Wrightsville Beach Public Works Water and Sewer Department is responsible for the operation and maintenance of the Wrightsville Beach Wastewater Collection System and is operated under NPDES permit# WQCS00311. If you have questions or would like more information about this report, call Wrightsville Beach Public Works at (910) 256-7935, or visit our website at www.townofwrightsvillebeach.com

Collection System

The Wrightsville Beach wastewater collection system includes over 21 miles of gravity and force main wastewater pipe, 7 wastewater pumping stations, 351 manholes and safely transports over 500,000 gallons of wastewater on a daily basis. Wastewater is collected, metered and pumped under the Intracoastal Waterway through Segment#1 of the Northeast Interceptor (NEI) to City of Wilmington's pump station and ultimately through the entire NEI to the city's Southside Wastewater Treatment Plant.

Performance

During 2007 Wrightsville Beach collected over 202 million gallons of wastewater. Our monthly average is 17 million with the peak month being July with over 24 million gallons collected. July 4th was our greatest single day with 1.1 million gallons of wastewater moving through the system.

Daily Flows for 2007

Millions of Gallons per Day (MGD)

Month	Average Daily	Maximum Flow	Minimum Flow
January	.425	.545	.345
February	.410	.512	.330
March	.439	.561	.368
April	.519	.628	.410
May	.586	.861	.397
June	.682	.842	.543
July	.782	1.093	.679
August	.702	.999	.489
September	.640	.914	.437
October	.625	.819	.488
November	.485	.673	.347
December	.365	.514	.217

Sanitary Sewer Overflows (SSO's)

We are pleased to report that we did not have any Sanitary Sewer Overflows (SSO's) that reached surface waters in 2007. SSO's of 1000 gallons or greater are required to be reported to North Carolina Division of Water Quality (NCDWQ) and local media through a press release.

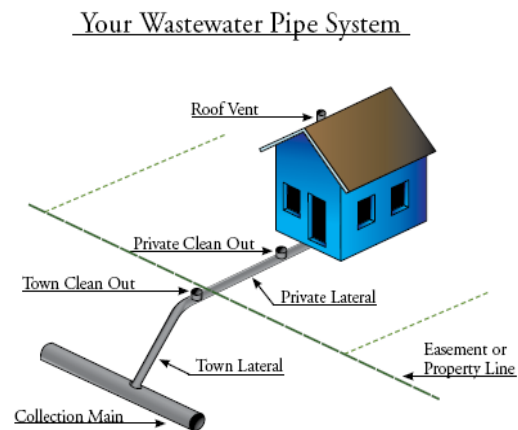
What Are We Doing To Prevent Spills?

W&S crews work seven days a week and are "on call" 24 hours day to help protect the Town. Numerous procedures and equipment help us accomplish this goal:

- Monitoring of the SCADA (Supervisory Control and Data Acquisition) radio control system. SCADA radio control system alerts us of most problems before there is an overflow.
- Operate a continuous monitoring and alarm system at pump stations; maintain and repair pumps; use generators for backup power; monitor and inspect pump stations to identify improvement needs.
- Increasing capacity by replacing old pipes, installing new pipes, and enhancing wastewater pump stations.
- SCADA radio control system alerts us of most problems before there is an overflow.
- Television camera inspection and troubleshooting.
- Vacuum cleaning of pipes and clean-up of spills.
- Customer education about the proper disposal of oils and grease.
- Cooperation and coordination with City of Wilmington wastewater transport and treatment.

Customer Responsibilities

The leading cause of overflows is debris and grease blockages in the lines. While the collection system is designed to handle and safely transport sanitary waste, too much grease or non-biodegradable material placed into the system can cause clogs and result in an overflow. It is very important to keep these foreign materials from entering the system.



What can YOU do to prevent spills and protect the environment?

- Do not flush dental floss, dispose of in trashcan.
- Never pour grease, fats, or oils from cooking down the drain.
- Contact the Town if you see debris or trash being put in the sewer system.
- Replace missing or broken clean out caps.
- Call before you dig. Have utilities located before any digging work.
- Remember that wastewater collection systems are designed only to handle three things – used water, human body waste and toilet paper.

Let's work together to keep Wrightsville Beach and the surrounding environment clean and safe!

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.

A handwritten signature in black ink that reads "William R. Ivins". The signature is written in a cursive style with a large, prominent initial 'W'.

William R. Ivins
Collection System ORC

6/11/08