

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 wastewater users and customers of Stanly County Utilities and the Greater Badin Water and Sewer District system and those users have been notified of its availability.

Donna Davis, Director
Stanly County Utilities
February 18, 2013



NOTIFICATION

This report has been mailed to all water and sewer customers in the Greater Badin Water and Sewer District and Stanly County Utilities. Additional copies are available at the Stanly County Utilities business office – 1000 North First Street, Suite 12, Albemarle, NC (704) 986-3686 and the Badin Town Hall – 36 Falls Road Badin, NC 28009.

Stanly County Utilities
1000 North First Street
Suite 12
Albemarle, NC 28001

**Wastewater
Performance
Report 2013**

Greater Badin Water
and Sewer District

Stanly County
Utilities



1000 North First Street, Suite 12
Albemarle, NC 28001
(704) 986-3686

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INTRODUCTION

This brochure is designed to inform and educate consumers about the performance and operation of the Greater Badin Water and Sewer District (GBW&SD) wastewater collections and treatment systems and the Stanly County Utilities (SCU) collections systems. After reading this report, if you would like more information about GBW&SD or SCU, please contact the Stanly County Utilities business office.

GENERAL INFORMATION

System name:

Greater Badin Water & Sewer District
Stanly County Utilities

Responsible entity:

Stanly County Utilities

Responsible person:

Donna Davis, Director
Stanly County Utilities

1000 North First Street, Suite 12
Albemarle, NC 28001
(704) 986-3686

Applicable permits:

NC0074756 WQCS00171
WQ0029354 WQCS0419

How the treatment process works

The Greater Badin Water and Sewer District provides wastewater collection and treatment services to homes, businesses, schools and others to ensure and promote public health and sanitation in the Badin community. The system received and treated nearly 102 million gallons of domestic, commercial and industrial wastewater from approximately 700 wastewater customers in the year 2013. Wastewater is collected in an 11 miles system of sewer pipes and transferred to the wastewater treatment plant by gravity flow and pumped from two lift stations throughout the district. Once wastewater arrives at the treatment plant it is monitored, tested, treated and released back into the environment in a very clean state. In 2013 the Badin plant treated an average of 274,100 gallons of wastewater per day. It is operated by a well-trained, state certified operators who ensure the proper functioning of the facility, maintenance, and quality of the wastewater.

The Stanly County Utilities collections system consists of approximately 28 miles of collections mains and 14 lift stations and includes service to the northern part of Stanly County, the County Airport region, the Town of Red Cross, the Palestine community, the Millingport community, the Ridgecrest community and the Aquadale community. Wastewater from these areas is collected and sent to treatment plants in the Albemarle, Oakboro and Norwood.

SYSTEM PERFORMANCE FOR 2013 2013 Wastewater Treatment Plant Violations

Month	Violation	Type
February	Yes	Flow
April	Yes	Flow
June	Yes	Flow
December	Yes	Flow

The rated capacity of the Badin treatment plant is 550,000 gallons per day. A flow violation means the plant treated more wastewater than the rated capacity. This happens when heavy rains cause the system to take on rainwater. The plant can and does provide effective treatment at levels higher than the rated capacity. However, any numbers above the plant rating constitute a flow vio-

2013 Sewer Overflows/Spills/Bypasses

Location	Date	Amount
Gtr Badin WWTP	02/26/13	10,000 gallons
Gtr Badin WWTP	04/29/13	9,000 gallons
Gtr Badin WWTP	06/07/13	10,000 gallons
Gtr Badin WWTP	06/08/13	12,000 gallons
Gtr Badin WWTP	06/10/13	15,000 gallons
Gtr Badin WWTP	12/23/13	20,000 gallons

A sewer overflow or spill is indicated when untreated or partially treated wastewater is released from a pipe break or manhole overflow. Overflows can result from pipes clogged with grease, tree roots, and debris, damaged pipes or excessive inflow and infiltration of other water into the collection pipes.

In most cases, rain water from heavy storms has entered the wastewater collection system to increase the flow beyond the rated capacity of the

treatment plant or the collections system.

Wastewater spills can be harmful to the environment due to the potential for exposure to bacteria and other hazards. Each spill site is cleaned and treated to minimize the risk to the public.

During 2006 the Greater Badin Water and Sewer District completed rehabilitation and replacement of a significant portion of its collection system using a 1.6 million dollars grant to address problems of inflow and infiltration into the collection system.

lution.

Beware of the **Grease Goblin**

DIDYOU KNOW...

Most sanitary sewer backups occur between your home and the 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.



Don't

Pour grease, fats and oils from cooking down the drain.