



C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

September 9, 2005

Town of Denmark
Attn: Carrie Simmons
4768 Carolina Highway
Denmark, South Carolina 29042

Re: Town of Denmark Sanitary Survey
Water System # 0510002
Bamberg County

Dear Ms. Simmons:

As you are aware, the South Carolina Department of Health and Environmental Control conducted a sanitary survey of Denmark's public water system on August 29, 2005. The intent of the sanitary survey is to evaluate Denmark's ability to provide a continuous supply of safe drinking water to its customers.

The Town of Denmark received an overall rating of **Satisfactory**. Enclosed is a copy of the survey and a report that includes a description of Denmark's public water system, specific findings made during the sanitary survey, and recommendations for correcting any deficiencies. This survey and the report should be kept on file for no less than ten (10) years and be made available to the public or DHEC upon request. It is requested that all parties responsible for the operation and maintenance of the water system review this report promptly.

Please feel free to contact me at (803) 641-7670 if you should have any questions concerning the enclosed report.

Sincerely,

Jennifer Hughes
Water Program Manager
Region 5 Aiken EQC

cc: Susan Alder, Bureau of Water

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Region 5

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SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
REGION 5 AIKEN EQC

SANITARY SURVEY REPORT

*Town of Denmark
Water System # 0510002
Bamberg County*

Introduction

The South Carolina Department of Health and Environmental Control conducted a sanitary survey of the Town of Denmark public water system (Water System # 0510002). This survey consisted of a review of the Department files and an on-site inspection by Department personnel on August 29, 2005. The following persons participated in the on-site inspection:

Jennifer Hughes	SCDHEC – Region 5 Aiken EQC
Tim Freeman	Town of Denmark

This report includes a description of the water system, a list of findings and recommendations noted during the survey.

System Description

The Town of Denmark owns and operates a groundwater facility and associated potable water distribution system that serves approximately 3800 customers by approximately 1493 service connections. Information on the system's wells is given in the table below. The system has a current rated capacity of 1,046,400 gallons per day.

Well Information

	Type	Horsepower	Yield	Regulated Capacity	Treatment
Well One Brooker Center	Turbine	60	500 gpm	480.00 TGD	Gaseous Chlorine
Well Two Voorhees	Turbine	60	330 gpm	316.80 TGD	Gaseous Chlorine
Well Three Clark Street	Turbine	60	260 gpm	249.60 TGD	Gaseous Chlorine

Three (3) elevated storage tanks with a total volume of approximately 475,000 gallons serve the Town of Denmark public water system.

Storage Capacity

Tank	Capacity (gallons)
City Hall Elevated Tank	100,000
Nibco Elevated Tank	250,000
Voorhees Elevated Tank	125,000

Currently, the Town of Denmark public water system has the following operators:

Operator	License	Certification #	Class
Tim Freeman	Water	06651	D
	Distribution	01830	G
JP Robinson	Water	02418	D
	Distribution	00472	D

Finding and Recommendations

- 1) The system received an Unsatisfactory rating for Leak Detection and Repair Program. At the time of the survey a water audit was not available for review.
- 2) The system maintained a Needs Improvement rating for Storage Appurtances. The overflows on all elevated storage tanks need to be extended within 12 to 24 inches of ground surface. The Nibco tank has been addressed. The City Hall's overflow will be extended by the end of the year.
- 3) The system was upgraded to a Satisfactory rating for Storage Maintenance. The Nibco tank has been refurbished.
- 4) The system received a Needs Improvement rating for Fire Flow. The hydrants at the two local colleges must be flow tested.

Conclusions

Overall, the Denmark Public Water System is being operated in a safe and reliable manner. Please continue the hard work and dedication to the system. The Department looks forward to working with the water system in the future to ensure that the residents continue to receive the highest quality of drinking water.