



# Village of Bald Head Island

## 2009 Wastewater Report

January 30, 2010

House Bill 1160, the Clean Water Act of 1999, was ratified by the North Carolina General Assembly on July 20 and signed into law by the Governor on July 21, 1999. This legislation placed significant reporting requirements on those entities that own or operate wastewater treatment and collection systems. In compliance with this Act, The Village of Bald Head Island, Utilities Department provides an annual report to its users and to the NC Department of Environment and Natural Resources. This report will be made available to the public each year. To reach all of our customers, we are mailing a copy of the 2009 report. Additional copies may be obtained in person or by contacting The Village of Bald Head Island, Utilities Department at 910-457-7350.

This report summarizes the treatment works or collection system performance from January 1, 2009 until December 31, 2009 and states the extent to which any terms of its permit, federal laws, state laws, regulations or rules related to the protection of water quality have been violated.

The Village of Bald Head Island, Utilities Department wastewater treatment facility operates in accordance with the provisions of Article 21 of Chapter 143, General Statutes of North Carolina as amended and other applicable Laws, Rules, and Regulations under permit number WQ0000193 and is monitored by David A. Suther, Operator in Responsible Charge. The collection system consists of approximately 180,000 feet of sewer mains with size ranging from 1.5" to 10" in diameter, and 38 lift stations, which collect and convey waste to the wastewater treatment facility for processing. This collection system is monitored by Kenneth D. Bowling, Operator in Responsible Charge. We are happy to report that Bald Head Island had no reportable spills during 2009.

The Wastewater Treatment Facility was designed by McKim & Creed Engineers, PA and began its initial service November 1996. An expansion to the wastewater treatment facility was brought online in June 2003 and increased the treatment capability to 400,000 gallons per day. The treatment facility is a state of the art Aqua-Aerobic System with sequencing batch reactors with tertiary treatment and UV disinfection. We are continually looking for new and innovative ideas to improve our system and accommodate future growth on Bald Head Island.

*Below are the year 2009 average monthly test results for the four major components monitored.*

	<b>State Monthly Limit</b>	<b>BHI Monthly Average</b>
Biochemical Oxygen Demand	10 mg/l	2.60 mg/l
Ammonia as Nitrogen	4 mg/l	.73 mg/l
Total Suspended Solids	20 mg/l	2.50 mg/l
Fecal Coliform	14/100 ml	3.76/100 ml

mg/l - milligram per liter

ml - milliliter

Our Utilities Department is committed to protecting our environment and providing excellent customer service. We look forward to meeting your wastewater needs in the future.

*The information supplied in this report is complete and accurate to the best of my knowledge.*

*Kenneth D. Bowling*

Kenneth D. Bowling, Utilities Director  
Village of Bald Head Island

01/30/10

Date