



Village of Bald Head Island

2010 Wastewater Report

January 30, 2011

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 2010 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, 2010 until December 31, 2010 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 numbers WQ0000193 and NC0085553. They are both 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. The collection system permit WQCS00276 is monitored by Kenneth D. Bowling, Operator in Responsible Charge. We are happy to report that Bald Head Island had no reportable spills during 2010. However, we did receive a “Notice of Violation” on permit Number NC0085553. The Division of Water Quality stated that they did not receive our Monitoring Report for February 2010. Copies of the report were re-submitted to the Division of Water Quality satisfying the NOV and no further action was taken by the Division of Water Quality. All reports are now being submitted via certified mail.

Our 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 an 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 2010 average monthly test results for the four major components monitored

	State Monthly Limit	BHI Monthly Average
Biochemical Oxygen Demand	10 mg/l	2.50 mg/l
Ammonia as Nitrogen	4 mg/l	1.26 mg/l
Total Suspended Solids	20 mg/l	4.20 mg/l
Fecal Coliform	14/100 ml	3.03/100 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

01/30/11

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

Date