

**2008-2009 ANNUAL PERFORMANCE REPORT
CAROLINA SHORES WASTEWATER TREATMENT PLANT
NPDES PERMIT #NC0044873**

GENERAL INFORMATION:

Carolina Shores Wastewater Treatment Plant (WWTP)
NPDES NO. NC0044873
COUNTY OF BRUNSWICK, PUBLIC UTILITIES DEPARTMENT
DONALD DIXON, OPERATOR IN RESPONSIBLE CHARGE

I. DESCRIPTION OF TREATMENT PROCESS:

Plant is capable of treating 0.53 MGD (Million Gallons per Day) of wastewater. The plant is located in Carolina Shores and treats waste from the town, some of the downtown Calabash area, and some outlying subdivisions along the Highway 17 corridor. This facility discharges into an unnamed tributary of Persimmon Swamp of the Lumber River Basin.

II. TREATMENT PLANT PERFORMANCE:

The Carolina Shores WWTP treated approximately 180,909,000 gallons from July 2008 through June 2009. This was an increase of 20 million gallons annually. The facility's average daily flow for the performance period was .496 MGD. The facility's average daily flow was 93% of permitted flow. The percentage of average daily flow to permitted flow increased by 9%. The facility is awaiting approval from NCDENR for construction of a sewer force main to divert approximately 80,000 gallons a day of flow from the Carolina Shores facility to the Sea Trail WWTP collection system. Once approvals and construction are complete we should see a significant increase in the ability to meet our monthly effluent limits.

The Month with the Highest Flow Avg. was March 2009: Avg. Daily Flow of .556 MGD
The Month with the Lowest Flow Avg. was Sept. 2007: Avg. Daily Flow of .430 MGD

The following is a month-by-month list of permit violations for FY 08-09:

Month-By-Month Description of Permit Violations

Aug 08	Monthly BOD limit	Apr 09	Monthly Flow, BOD
Sept 08	Monthly BOD, TSS	May 09	Monthly BOD
Jan 09	Monthly BOD	June 09	Monthly BOD, Fecal
Feb 09	Monthly BOD		
Mar 09	Monthly Flow, BOD		

III. NOTIFICATION:

This report will be posted on the County's Web site at www.brunswickcountync.gov under Utilities and published in *The Brunswick Beacon* and *The State Port Pilot*.

IV. 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.

Donald Dixon
Wastewater Superintendent
County of Brunswick
Public Utilities Department
July 29, 2009