



Enterprise Fund

A fund established to account for operations that are financed and operated in a manner similar to private business in that the services provided are financed through user charges.

Water and sewer operations are included in the Enterprise Fund.

ENTERPRISE FUND

MISSION

The mission of the Durham County Engineering and Environmental Services Department is to protect regional water quality through the administration of the sewer use, stormwater and erosion control ordinances; to improve county facilities through the management of capital projects; to improve the county's environmental management particularly related to greenhouse gas emissions; and to preserve natural and scenic lands, farms and forests.

PROGRAM DESCRIPTION

The Utility Division is responsible for the operation and maintenance of the County's Triangle Wastewater Treatment Plant, the County's Wastewater Collection System, the coordination of new connections (customers), and the County's Sewer System revenue collections. One of the major initiatives of this division has been the upgrade and expansion of the treatment plant to meet regulatory requirements and to provide adequate capacity for growth in the County's service area. The third phase of these improvements will provide new sludge handling facilities to produce a dewatered residual which can be transported to an off-site facility for Class A stabilization. The facility construction is underway and will be completed in Fiscal Year 2013.

The County's treatment of wastewater from the Town of Cary has been extended until at least June 31, 2014 under an Agreement between the County and the Town. Cary is currently sending approximately 2,500,000 gallons per day to the County's plant for treatment. The agreement between Durham County and Cary provides treatment of up to 6 million gallons per day.

The Utility Division Office is located at 5926 NC Hwy 55 East, Durham, North Carolina, 27713. Office hours are Monday – Friday, 8:30 AM – 5:00 PM, Telephone: 919-544-8280; Fax: 919-544-8590.

2012-13 ACCOMPLISHMENTS

- Met the NCDENR Division of Water Quality performance standards as an "Exceptionally Performing Facility."
- Completed construction of the Phase III project, (sludge holding and dewatering facilities).
- Over one year without a reportable sanitary sewer spill in the Triangle Wastewater Treatment Plant collection system. The last reportable spill was 100 gallons on February 11, 2012.

2013-14 HIGHLIGHTS

- The operations expenditure request has increased from the budget approved for FY 2012-2013. The increase is primarily due to the need to interconnect the sludge system generator with the influent pump station electrical power system.
- A new crew cab truck for transporting trailers and staff is budgeted for in FY 2013-14.
- The Sewer Utility will increase its transfer to the General Fund to provide for the temporary employment of two Criminal Justice Resource Center clients at the plant.
- Sewer consumption rates will be increased by 1.8% (listed in the fee schedule). The increase is due to higher costs for chemicals and electricity costs at the waste water treatment plant, and to minimize large rate increases in 2014-15 as a result of loan repayments for Phase III and Reuse Water projects and the termination of Town of Cary wastewater service revenue.
- Capital recovery charges will increase 1.66% in order to recover capital costs associated with the sludge facility improvements (listed in the fee schedule).
- Laboratory monitoring charges will increase due to higher vendor charges for these tests (listed in the fee schedule).

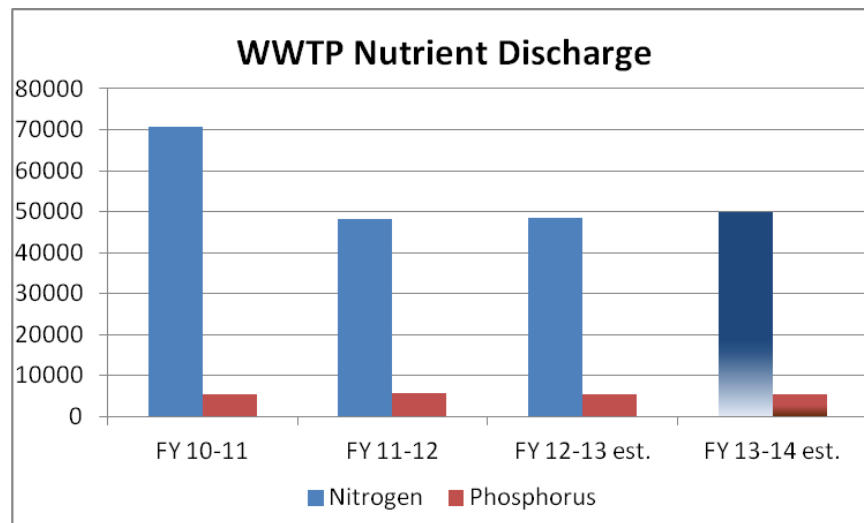
Payments for Enterprise Fund Debt Service			
	2012-2013 Approved	2013-2014 Requested	2013-2014 Approved
PRINCIPAL	\$2,050,000	\$2,100,000	\$2,100,000
INTEREST	\$1,150,000	\$810,000	\$810,000
TOTAL	\$3,200,000	\$2,910,000	\$2,910,000

Sewer Utility Fund

Fund: 6006600000

Summary	2011-2012 Actual Exp/Rev	2012-2013 Original Budget	2012-2013 12 Month Estimate	2013-2014 Department Requested	2013-2014 Commissioner Approved
Expenditures					
Personnel	\$1,432,161	\$1,539,666	\$1,499,530	\$1,631,672	\$1,631,672
Operating	\$2,308,147	\$3,301,265	\$3,050,202	\$3,418,738	\$3,404,336
Capital	\$192,537	\$121,415	\$116,248	\$122,750	\$122,750
Transfers	\$821,920	\$1,101,584	\$817,870	\$3,262,474	\$3,276,876
Other	\$2,146,327	\$3,200,000	\$2,739,913	\$2,910,000	\$2,910,000
Total Expenditures	\$6,901,091	\$9,263,930	\$8,223,763	\$11,345,634	\$11,345,634
Revenues					
Licenses & Permits	\$10,050	\$3,000	\$3,000	\$3,000	\$3,000
Investment Income	(\$17,997)	\$15,000	\$8,129	\$9,000	\$9,000
Enterprise Charges	\$10,685,894	\$8,984,990	\$10,521,780	\$10,824,694	\$10,824,694
Sewer Connect. Fees	\$485,366	\$260,940	\$711,965	\$508,940	\$508,940
Other Revenues	\$0	\$0	\$41	\$0	\$0
Total Revenues	\$11,163,313	\$9,263,930	\$11,244,915	\$11,345,634	\$11,345,634
Net Expenditures	(\$4,262,222)	\$0	(\$3,021,152)	\$0	\$0
FTEs	23.00	23.00	23.00	23.00	23.00

2013-14 PERFORMANCE MEASURE



Performance Measure: Triangle Wastewater Treatment Plant (TWWTTP) Nitrogen Reduction

Why is this measure important to the overall goal or mission of the department?
How does tracking this performance measure improve or help maintain a high level of service?

The Triangle Wastewater Treatment Plant discharges to Northeast Creek which then discharges into Jordan Lake. Jordan Lake has been identified as nutrient sensitive, and dischargers are being required to reduce their nutrient discharge to minimize the effects of the discharge. The Triangle

Wastewater Treatment Plant is allowed to discharge up to 111,207 pounds per year of total nitrogen and 8,432 pounds per year of total phosphorus. The data indicates the facility is well below these limits.

What initiatives or changes to programs will the department take on next year in hopes to improve the overall performance of the related program or goal?

Further expansion of the use of reclaimed water for irrigation, for cooling tower make-up water, and for industrial process water will reduce the nutrient load. Additionally, the new sludge dewatering facilities will reduce the summertime peak loads of nutrients associated with the previously used sludge lagoon.