

March 25, 2011

Dan Ahern, PE BCEE Stormwater Manager Beaufort County Stormwater Utility 120 Shanklin Road Beaufort, SC 29906

Dear Mr. Ahern,

We will be pleased to assist you in an advisory capacity to develop a hydrologic study on two watersheds to determine the impact of development on stormwater runoff. We will assist you based on the following communication from you:

The county has identified two similar watersheds where one is developed and the other is undeveloped. They both are about 1,000 acres and have similar percentages of wetland and upland (60% upland and 40% wetland).

One is in the upper reaches of the Okatie River and is fully developed in Sun City

The other is in Palmetto Bluff and is a currently undeveloped watershed draining into the New River. They are within about 10 miles of each other and both exit through a pipe.

Stormwater runoff volume is a current concern in Beaufort County and is being controlled in new development. The watershed in Sun City may be a factor in the fecal coliform impairments in the Okatie River that is closed to shellfish harvesting.

Retrofits may involve reducing total volume from this watershed. Having a study allowing a determination of excess stormwater flow will be very helpful in determining needed reduction.

Therefore we are requesting assistance to help the Stormwater Utility to

- 1. Develop a plan to monitor each watershed with recommendation on what/where and how to monitor.
- 2. Evaluate data collected by the Utility.

The Utility is willing to fund this assistance on an annual basis of \$25,000 for two years.

As you know, Dr. Bud Badr, Adjunct Associate Professor of Civil Engineering is ready to start providing the assistance needed upon the receipt of the "go-ahead" from you.

Sincerely,

Nadim M. Aziz, Ph.D

Professor and Chair





BEAUFORT COUNTY STORMWATER UTILITY 120 Shanklin Road Beaufort, South Carolina 29906 Voice (843) 255-2801 Facsimile (843) 255-9478



March 18, 2011

TO NERRS Science Collaborative FY2011 Funding Opportunity

Subject: Letter of Commitment- SCDNR Application to Evaluate Impact of Innovative Best Management Practices (BMP) on Estuarine Water Resources

Dear Proposal Reviewers,

The Beaufort County Stormwater Utility is committed to supporting the efforts of the South Carolina Department of Natural Resources (SCDNR) to evaluate the impact of innovative best management practices on our estuarine waters.

Beaufort County is strongly committed to protecting its waters and is taking efforts to restore impacted waters. The county's water quality efforts date from 1998 when the county established water quality practice requirements. The county has seen a 30% increase in population since that time and has managed to maintain the same percentage of open Shellfish Harvesting waters. Unfortunately the impairments that existed before 1998 have remained. The county completed a major Stormwater Management Plan in 2006 that identified opportunities to retrofit areas that had impairments. The stormwater utility in partnership with the county's municipalities has also awarded a contract to further study retrofit opportunities. This has led to identification of more retrofit opportunities. The county is now in a position to construct 1 to 2 projects per year. It is estimated that the county will be committing to \$1,000,000 of water quality retrofit projects in FY2012 and 2013. This will be a little less than 25% of the current annual construction and maintenance budget of the Utility and this change over has been in planning for a number of years.

This proposed project will greatly increase the capacity of the Utility's ability to assess the impact of this investment. The current monitoring program is limited and will not address biologic impacts and the effect of the stormwater volume. This project will provide scientific data that will allow the Utility to demonstrate impacts from the retrofit investment or allow changes to improve the restoration of our water resources. The Stormwater Utility is strongly committed to constructing water quality retrofit BMP's but does not have the capacity to fully evaluate the impacts for this investment.

The 2006 Stormwater Management Plan identified potential sites for regional BMP's totaling over \$11,000,000. This plan has been approved by the County and Municipalities and the Stormwater Utility is now budgeting for construction of some of these identified sites. The Utility is committing to invest at least a \$1,000,000 of water quality retrofit projects as part of this project. We are also committing to financially support, by reducing costs to homeowners, the proposed "Private Homeowners-Business Stewardship" retrofit idea since the impacts of these individual small scale BMP's are not known. This project will supply scientific data that can be used to support future efforts to deploy individual efforts.

The Stormwater Utility is committed to this project because we see this collaboration with SCDNR as a great way to get credible scientific feedback to make future decisions on restoring our County's waters to their intended uses. We expect that the project will give feedback on the impacts of the selected BMP's and allow us to use the data to demonstrate the beneficial impacts of the investment. If the projects do not

show significant improvements we hope to then use the study to modify projects to improve impacts. The proposed project has been presented to the Beaufort County Stormwater Utility Advisory Board (composed of appointed members from county and municipalities) and they passed a resolution recommending that the County/Stormwater Utility support this collaboration.

This project is a great way to leverage a scientific study to evaluate impacts of planned efforts and allow for adaptive changes based on results of the study. The Stormwater Utility sees this as a study that can either justify a major investment by the local community or provide additional information to allow the Utility to modify retrofits to maximize improvement in our estuarine waters.

Dan Ahern PE., BCEE Manager Beaufort County Stormwater Utility









Unaudited

BEAUFORT COUNTY, SOUTH CAROLINA

STATEMENT OF NET ASSETS

Stormwater Utility

February 28, 2011 & February 28, 2010

	February 28, 2011		February 28, 2010	
<u>ASSETS</u>		_		_
Current Assets				
Cash and Investments with Trustee	\$	2,544,796	\$	2,623,254
Receivables, Net		87,747		-
Inventories		186,916		165,047
Total Current Assets		2,819,459		2,788,301
Capital Assets		2,885,105		2,741,187
Accumulated Depreciation		(1,646,064)		(1,354,019)
		1,239,041		1,387,168
Total Assets	\$	4,058,500	\$	4,175,469
LIABILITIES				
Liabilities				
Account Payable		21,188		32,159
Accrued Payroll		83,159		48,856
Accrued Compensated Absences		3,757		3,501
Total Current Liabilities		108,104		84,516
Long Term Liabilities				
Accrued Compensated Absences		71,379		66,528
Net Other Postemployment				
Benefits Obligation		382,750		321,420
Total Long Term Liabilities		454,129		387,948
Total Liabilities		562,233		472,464
NET ASSETS				
Invested in Capital Assets, Net				
of Related Debt		1,239,041		1,387,168
Unrestricted (Deficit)	-	2,257,225		2,315,837
Total Net Assets	\$	3,496,266	\$	3,703,005

Unaudited

BEAUFORT COUNTY, SOUTH CAROLINA

STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET ASSETS

Stormwater Utility

For the Period Ended February 28, 2011

				Percent
	Budget		Budget to	of
	FY 2011	February 28, 2011	Actual	Budget
Operating Revenues				
Stormwater Utility Fees	\$ 3,177,379	\$ 2,959,098	(218,281)	93%
Stormwater Utility Project Billings	1,226,990		(1,226,990)	0%
Total Operating Revenues	4,404,369	2,959,098	(1,445,271)	67%
Operating Expenses				
Personnel	2,348,058	1,467,216	(880,842)	62%
Purchased Services	1,026,987	520,039	(506,948)	51%
Supplies	454,264	253,262	(201,002)	56%
Capital Purchases	290,060	-	(290,060)	0%
Depreciation	285,000	203,560	(81,440)	71%
Total Operating Expenses	4,404,369	2,444,077	(1,960,292)	55%
Operating Income (Loss)	-	515,021	515,021	-100%
Net Assets, Beginning	2,981,246	2,981,246		
Net Assets, Ending	\$ 2,981,246	\$ 3,496,267	515,021	117%

Unaudited

BEAUFORT COUNTY, SOUTH CAROLINA

STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET ASSETS

Stormwater Utility

For the Period Ended February 28, 2010

						Percent
	Budget		Budget to	of		
		FY 2010	Fe	bruary 28, 2010	Actual	Budget
Operating Revenues						
Stormwater Utility Fees	\$	3,868,238	\$	2,982,822	(885,416)	77%
Stormwater Utility Project Billings		536,135		233,248	(302,887)	44%
Total Operating Revenues		4,404,373		3,216,070	(1,188,303)	73%
Operating Expenses						
Personnel		2,424,050		1,585,845	(838,205)	65%
Purchased Services		857,038		327,159	(529,879)	38%
Supplies		503,725		330,987	(172,738)	66%
Capital Purchases		601,751		13,491	(588,260)	2%
Depreciation		76,652		189,962	113,310	248%
Total Operating Expenses		4,463,216		2,447,444	(2,015,772)	55%
Operating Income (Loss)		(58,843)		768,626	827,469	-1306%
Non-Operating Revenues (Expenses)						
Gain (Loss) on Sale of Capital Assets		(38,337)		-	38,337	0%
Total Non-Operating Revenues (Expenses)		(38,337)		-	38,337	0%
Change in Net Assets		(97,180)		768,626	865,806	-791%
Net Assets, Beginning		2,934,379		2,934,379		
Net Assets, Ending	\$	2,837,199	\$	3,703,005	865,806	131%