

Beaufort County Stormwater Management Utility Board (SWMU Board) Meeting Minutes

March 23, 2016 at 2:00 p.m. in Executive Conference Room, Administration Building, Beaufort County Government Robert Smalls Complex, 100 Ribaut Road, Beaufort, South Carolina Draft

Board Members

Present

Allyn Schneider
James Fargher
Marc Feinberg
William Bruggeman
Larry Meisner

Absent

Don Smith
Patrick Mitchell

Ex-Officio Members

Present

Andy Kinghorn
Scott Liggett

Absent

Kim Jones
Van Willis

Beaufort County Staff

Eric Larson
Ezekiel Miller
Rebecca Baker
Patricia Wilson

Visitors

Tony Maglione, Applied Technology & Mgt.
Alan Warren, USCB
Reed Armstrong, Coastal Conservation League
Jill Bolin, Academy Estates
Richard Bolin, Academy Estates
Alice Howard, Beaufort County Council
Paul Moore, Ward Edwards Engineering
Steve Andrews, Andrews Engineering

1. Meeting called to order – Allyn Schneider

- A. Agenda – Approved after adding item B (Alternate 2016 Schedule) to New Business item (6).
- B. February 24, 2016 Minutes - Approved.

2. Introductions – Completed.

3. Public Comment(s) – Mr. Eric Larson prefaced comments from Mr. Richard Bolin (Academy Estates Resident) by updating the board that the Natural Resources Committee (NRC) met and took final action on the Factory Creek Watershed Regional Detention Basin Phase I and Phase II Projects by approving both agreements. This action was taken in response to the developers asking the NRC to reconsider action on both development agreements.

Mr. Bolin passed-out handouts referring to studies that he feels illustrates failure of similar stormsewer systems to reduce bacteria from entering watersheds. He implored the Stormwater Management Utility board to learn from historical data and improve future decisions. Mr. Bolin suggested that Stormwater staff provide preconstruction bacterial sampling prior to site development and post construction bacterial sampling after site completion.

Mr. Larson informed the board that Patrick Mitchell was absent from the meeting because he and his wife had their second baby "Finn" the previous night.

4. Reports – Mr. Eric Larson, Mr. David Wilhelm, and Mrs. Rebecca Baker provided a written report which is included in the posted agenda and can be accessed at:
<http://www.bcgov.net/departments/Administrative/beaufort-county-council/boards-and-commissions/council-appointed/board-list/stormwater-management-utility-board/agendas/2016/032316.pdf>

A. Utility Update – Eric Larson

Utility Rate Study – Mr. Eric Larson said that the municipalities are finalizing their portion of the rate study process and a final report will likely be presented to the Board at the April 2016 meeting.

Credit Manual Update – Mr. Larson said this item would be covered under New Business.

B. Monitoring Update – Eric Larson

USCB and County MOU for the Lab Services – Mr. Larson announced that the MOA has been approved and the revised agreement is being circulated for signatures.

Lab Update – Mr. Larson referenced Dr. Alan Warren’s summary report which highlights how the University is incorporating lab work into student curriculum. Mr. Marc Feinberg requested an update from Dr. Warren on the lab’s certification efforts. Dr. Warren replied by stating that Lab has received about 75% of the 25 requested analyte parameters. Not all 25 parameters are certifiable. The USCB Lab is certified for all the micro biological work and some additional parameters the lab processes. Total Suspended Solids is the next parameter to be certified. State personnel from the Department of Health and Environmental Control (DHEC) should be arriving April 14th to inspect the laboratory and review the lab’s Standard Operating Procedures (SOPs) and other documents. Certifications are renewed on an annual basis upon the lab’s ability to demonstrate proficiency. Examples of non-certifiable parameters include certain types of ammonia and nitrogen that the County requested. Mr. Larry Meisner questioned whether the previously mentioned projects (Factory Creek Watershed Regional Detention Basin Phase I and Phase II) would have pre and post sampling performed and Mr. Larson replied that this type of sampling is becoming Standard Operating Procedures to establish a baseline.

C. Stormwater Implementation Committee (SWIC) Report – Eric Larson

SWIC Meeting March 14, 2016 – Mr. Larson stated that the focus of the meeting was MS4 and setting up subcommittees to focus on certain aspects of the stormwater programs.

D. Stormwater Related Projects – Eric Larson

Okatie West / SC 170 Widening Retrofit Land Purchase – Mr. Larson reported that closing of the land purchase is finally complete. Paul Moore with Ward Edwards Engineering is working on design. Field work and surveying are in process and public meetings are being scheduled as part of the grant requirements.

SC 170 Widening Pond #8 project (Land Acquisition = \$155,694 Budget, Design and Construction = \$630,840) – Closing of the property is complete.

Easements – Staff is developing new internal policies to improve tracking of easement requests and communications with property owners. One-on-one contact is not required, but it helps to educate property owners of the easement need prior to receiving a certified letter.

E. Professional Contracts Report – Eric Larson

Stormwater Management Plan (Master Plan) Update – (\$475,000 Budget; \$239,542 County portion) - ATM is compiling the needed files and GIS data to begin the modeling. They are creating a baseline condition assessment of County watersheds. Public meetings will be held later this spring.

Mint Farm Basin B modification – (\$8,000 Budget) – Andrews Engineering is providing a design for a small project to retrofit a failing Stormwater retention basin.

McTeer Drive Ditch – Staff is soliciting proposals for engineering and surveying to clean a ditch and acquire easements to address a localized flooding issue for multiple parcels served by a private system.

Regional Coordination - Eric Larson

Factory Creek Watershed Regional Detention Basin Phase I and Phase II – Mr. Larson updated the board that the Natural Resources Committee met twice during the month of March and took final action by approving both project agreements.(Also, see Item 3 Public Comments.)

F. Municipal Reports

Town of Hilton Head Island –Mr. Bryan McIlwee submitted a report about the Upper Broad Creek Watershed which is included in the posted agenda.

Town of Bluffton –

May River Watershed Action Plan – No report.

Stoney Creek Project – No report

Pine Ridge Retrofit Project – No report.

City of Beaufort –

Battery Creek Pond Funded by an EPA 319 Grant (\$132,603 Budget) – (Backup) Mr. Larson handed out a memo requesting action from the Natural Resources Committee to increase the County’s portion of this project. Increased construction costs and easement agreement expenses increased the needed budget by \$52,148.40. The NRC passed this requested increase at the March 17th meeting. Mr. Larson said time constraints prevented him from bringing this to the Stormwater Management Utility Board prior to the NRC meeting.

Town of Port Royal Island – The Town is beginning to maintain private systems as needs arise.

G. Municipal Separate Storm Sewer System (MS4 Update) – Rebecca Baker

MS4 Update - Mrs. Rebecca Baker updated the board that the first MS4 Annual Report is due February 2017 and audits will be performed 2 to 3 months after DHEC has received the report.

MS4 Remand Proposed Rule – (Backup) Mrs. Baker and Mr. Larson referred to a letter that Beaufort County submitted to the EPA commenting on the proposed National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) General Permit Remand Rule. One paragraph of the letter stated:

Currently our County has volume control standards based on nearly a decade’s worth of research in which we determined volume reduction is our best means to reduce fecal coliform loading. The method appears to fluctuate from state to state and regarding

TMDL's numeric target for fecal coliform. For this reason, we would like EPA to provide clear and precise standards for a numeric target for fecal coliform.

SWIC Meeting – Mrs. Baker said that the SWIC members have decided to create two subcommittees. A MS4 Committee and a Stormwater Monitoring Committee which will explore sharing outfall inspections, street sweeping, construction inspections, stormwater asset management inventory (videoing storm pipe), inspection of facility management, and monitoring and sampling.

Public Education – Mrs. Baker pointed out a new tab on the Neighbors for Cleanwater website which shows upcoming calendar events to help keep the public informed. She also mentioned the first annual Touch A Truck event scheduled for April 2nd from 11:00 to 2:00 at Tanger Outlets.

BMP Manual – Mrs. Baker said the manual is 70 percent complete and she hopes to have the final product to Mr. Larson soon. Mr. Reed Armstrong asked if municipalities will be accountable to the updated BMP Manual. Mr. Larson stated that other municipalities reference the County BMP Manual and their input is being included. The municipalities may have to update the date of the BMP Manual being referenced.

Stormwater Site Inspections – Mrs. Baker stated that once a development permit is received, stormwater staff uploads the permit into GIS to schedule inspection.

Munis Update - Mrs. Baker said that the stormwater permit data is in the final stage of design and staff hopes to have a test run next month.

Minimum Control Measure 6 (MCM 6) Mr. Scott Liggett questioned how Convenience Drop-off Centers would be affected by MS4 requirements. Council Woman Alice Howard and Mr. Eric Larson referred to a Solid Waste study. Once that study and MS4 Minimum Control Measures have been considered, recommendations will be made concerning each facility.

H. Maintenance Projects Report

Mr. Zeke Miller asked to correct the name of Palmetto Headlands Community to Palmetto Headlands Industrial Park on the maintenance report. Mr. Larson pointed out the Stormwater District Map which includes all projects and the districts. Mr. Larson added that Palmetto Headlands Industrial Park (which is part County and part Town of Hilton Head Island) is a project that illustrates a partnership between the County and the Town. Work on New Orleans Road is also an example of a partnership relationship with the Town. Some projects involve Memorandums of Understanding to complete desired work. Mr. Marc Feinberg questioned why Plantation Business Park was not listed on the project list and Mr. Larson stated the study was used to assess the stormsewer infrastructure condition to discuss whether or not the County should take over maintenance. Mr. Larson also mentioned that County Council will take final action on Monday, March 28th to approve the purchase of a camera to view pipe condition, which should save the County money in the future.

I. Financial Report – (Backup)

The January 2016 Financial report was displayed on the projector. Mr. Larson stated that the County Ordinance only requires an annual financial report and the board voted unanimously (5:0) to switch to quarterly financial reports.

5. Unfinished Business – None.

6. New Business –

Credit Manual Update – (Backup) Mr. Tony Maglione with Applied Technology and Management presented a power point presentation of the draft credit manual update. He presented credit manuals from other counties and discussed proposed changes to the current credit manual. Some of the changes include credits for inundated properties, undevelopable properties and expanding education credits to school facilities that incorporate stormwater curriculum per MS4 standards. Mr. Larry Meisner was told that residents in Property Owners Associations do not get credits, but they benefit from the Property Association receiving credits. Residents who live in condos and apartments have fractional fees based on square footage. Dr. Warren questioned if monitoring credits could be included. Mr. Larson said that revisions could be made up to April 19, 2016. The board voted unanimously (5:0) to recommend the Credit Manual Update to County Council’s Natural Resources Committee. The Ex-officio members voted unanimously (2:0) to recommend the Credit Manual Update to Natural Resources Committee.

Alternate 2016 Stormwater Management Board Meeting Schedule - (Backup) Mr. Larson stated that Natural Resources Committee realigned their schedule to match the Planning Committee Board schedule, so he is recommending switching to the second Wednesday of each month. The board voted unanimously (5:0) to pass the new schedule starting on May 11, 2016.

7. Public Comment(s) – None.

8. Next Meeting Agenda – Included in posted agenda and approved with the next meeting changed to May 11, 2016

9. Meeting Adjourned



COUNTY COUNCIL OF BEAUFORT COUNTY
PURCHASING DEPARTMENT
106 Industrial Village Road, Building 3
Post Office Drawer 1228
Beaufort, South Carolina 29901-1228

TO: Councilman Brian Flewelling, Chairman, Natural Resources Committee

FROM: Dave Thomas, Purchasing Director *DTT*

SUBJ: Request to Increase Funding for an Intergovernmental Agreement between the County and the City of Beaufort for the Cross Creek Retrofit, aka Burton Hill M2 Project, a US EPA Clean Water Act Section 319 Grant Funded Project.

DATE: March 17, 2016

BACKGROUND: On September 25, 2013, the County entered into an agreement with the City of Beaufort to cost share in a stormwater project on Old Jericho Road, in the Battery Creek watershed. The City assumed the role as the lead agency and submitted the project for EPA grant funding that same year. The project was awarded \$441,652.80, 60% of the \$736,088.00 project cost. The County and City split the remaining 40% match 50/50, with the County's portion being \$147,217.60.

As the project entered into the design phase in 2014 -2015, a series of project design changes occurred to accommodate the needs to the property owner granting the easement for the project site. At the same time, the local construction industry saw an increase in activity and an improvement in the economy resulting in higher unit prices for services then anticipated in 2013 when the grant was awarded. The result is a need to increase the budget to account for the higher project costs.

On February 26, 2016, the City of Beaufort received three bids for the project. They have recommended the low bidder, Low Coast LLC, in the amount of \$746,769.00. With an original engineering budget of \$81,788.00, part of the \$736,088.00 budget, the increased funding need for construction, including contingency, is \$104,296.80. The County's portion of the increase is \$52,148.40.

DTT **FUNDING** Primary Funding - 50250011-51160, Stormwater fees. (\$147, 217.60 Original Budget)

PROPOSED COST: \$52,148.40 increase from 50250011-51160 reserve funding.

FOR ACTION: Natural Resources Committee meeting March 22, 2016.

RECOMMENDATION: The Purchasing Department recommends that the Natural Resources Committee approve to increase funding in the amount of \$52,148.40 for an Intergovernmental Agreement between the County and the City of Beaufort for the Cross Creek retrofit, aka Burton Hill M2 project, a US EPA Clean Water Act Section 319 grant funded project.

ATTACHMENTS:

IGA dated 9/25/13

CC: Gary Kubic, County Administrator *GK*
Joshua Gruber, Deputy County Administrator/Special Counsel *JG*
Alicia Holland, Assistant County Administrator, Finance *DTT*
Monica Spells, Assistant County Administrator, Civic Engagement and Outreach
Don Smith, Chairman, Beaufort County Stormwater Board
Eric W. Larson, Division Director for Environmental Engineering *EWL*



BEAUFORT COUNTY STORMWATER UTILITY
120 Shanklin Road
Beaufort, South Carolina 29906
Voice (843) 255-2805 Facsimile (843) 255-9436



March 18, 2016

Greg Schaner
Office of Wastewater Management, Water Permit Division
Environmental Protection Agency
Submitted via <http://www.regulations.gov>

Re: NPDES MS4 General Permit Remand Rule / Docket ID No. EPA-HQ-OW-2015-0671

Dear: Mr. Schaner:

I would like to thank you for the opportunity to comment on the proposed National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) General Permit Remand Rule.

Beaufort County is in the first year of the new NPDES Phase II Small Municipal Separate Storm Sewer System (Small MS4) permit. Beaufort County supports the effort of EPA in the proposed "option 1", setting clear and precise goals and objectives for all small Municipal Separate Storm Sewer systems. We welcome comment on our program and have no issue with the procedural approach in "option 2". In fact, South Carolina has recently implemented a similar public notice requirement, advertising our NOI prior to permit issuance last year. However, with the proposed rule change, we encourage the flexibility to allow the local MS4 to recommend BMP's that are specific to their community needs, as outlined in "option 3". An example that we feel supports both sides of the issue is outlined below.

Currently our County has volume control standards based on nearly a decade's worth of research in which we determined volume reduction is our best means to reduce fecal coliform loading. The method appears to fluctuate from state to state and regarding TMDL's numeric target for fecal coliform. For this reason, we would like EPA to provide clear and precise standards for a numeric target for fecal coliform. Listed below are three states methods in which you will see all have different methods.

- CALIFORNIA: The fecal coliform concentration for a minimum of five samples in any 30 day period should not exceed a log mean (i.e. geometric mean) of 200 per 100 ml, or 400 per 100 ml for 10% of total samples.
- FLORIDA: The fecal coliform bacteria shall not exceed a monthly 200 per 100 mL average of 200, nor exceed 400 in 10 percent of the samples, nor exceed 800 mL on any one day.
- SOUTH CAROLINA: Fecal coliforms shall not exceed a geometric mean of 200 cfu/100ml based upon at least five consecutive samples examined during any 30 day period, nor exceed 400cfu/100ml in more than 20 percent of the samples.

Unlike slope, soil conditions, rainfall totals, etc., fecal coliform levels for human health don't change from region to region and a good example of clear and precise language that would be acceptable to us. However, we fully understand that our unique environment allows us to manage volume control in a manner that other regions would find difficult to duplicate; Therefore, we support state to state flexibility.

If you have any questions, please contact me at (843) 255-2805 or elarson@bcgov.net.

Sincerely,

Eric Larson, PE, CPSWQ, AICP, CFM
Director of Environmental Engineering

UNAUDITED AND PRELIMINARY
BEAUFORT COUNTY, SOUTH CAROLINA
STATEMENT OF NET POSITION
Stormwater Utility and Capital Improvement Funds

	Stormwater Utility Fund January 31, 2016	Capital Improvement Fund January 31, 2016
<u>ASSETS</u>		
Current Assets		
Cash and Investments with Trustee	5,181,898	359,802
Receivables, Net	660	-
Inventories	73,741	-
Total Current Assets	<u>5,256,299</u>	<u>359,802</u>
Capital Assets		
Capital Assets	3,067,236	-
Accumulation Depreciation	<u>(2,247,961)</u>	<u>-</u>
Total Assets	<u>819,275</u>	<u>-</u>
	<u>6,075,574</u>	<u>359,802</u>
<u>DEFERRED OUTFLOWS OF RESOURCES</u>		
Contributions to pension plan	126,782	-
Pension experience differences	53,749	-
Total deferred outflows of resources	<u>180,531</u>	<u>-</u>
Total assets and deferred outflows of resources	<u>6,256,105</u>	<u>359,802</u>
<u>LIABILITIES</u>		
Liabilities		
Accounts Payable	49,458	25,745
Accrued Payroll	34,245	-
Accrued Compensated Absences	12,486	-
Total Current Liabilities	<u>96,189</u>	<u>25,745</u>
Long Term Liabilities		
Accrued Compensated Absences	74,919	-
Net Other Postemployment Benefit Obligation	17,770	-
Net Pension Liabilities	1,897,384	-
Total Long Term Liabilities	<u>1,990,073</u>	<u>-</u>
Total Liabilities	<u>2,086,262</u>	<u>25,745</u>
<u>DEFERRED INFLOWS OF RESOURCES</u>		
Net pension change in projected investment earnings	159,919	-
Total deferred inflows of resources	<u>159,919</u>	<u>-</u>
<u>NET POSITION</u>		
Invested in Capital Assets	819,275	-
Reserved for Encumbrances	298,083	107,091
Reserved for Capital Improvements	-	226,966
Unrestricted (Deficit)	<u>2,892,566</u>	<u>-</u>
Total Net Position	<u>4,009,924</u>	<u>334,057</u>
Total Liabilities, deferred inflows and net position	<u>6,256,105</u>	<u>359,802</u>

UNAUDITED AND PRELIMINARY
BEAUFORT COUNTY, SOUTH CAROLINA
STATEMENT OF REVENUES, EXPENSES AND CHANGE NET ASSETS
Stormwater Utility
For the period ending January 31, 2016

	Budget FY 2016	Actual	Budget to Actual	Percent of Budget
Operating Revenues				
Stormwater Utility Fees	\$ 5,058,882	\$ 4,454,744	(604,138)	88%
Countywide Infrastructure	273,351	267,149	(6,202)	98%
Stormwater Utility Project Billings	498,648	176,031	(322,617)	35%
Total Operating Revenues	<u>5,830,881</u>	<u>4,897,925</u>	<u>(932,956)</u>	<u>84%</u>
Operating Expenses				
Personnel	2,563,225	1,326,654	1,236,571	52%
Purchased Services	1,308,162	294,876	1,013,286	23%
Supplies	358,324	150,785	207,539	42%
Capital	611,290	-	611,290	0%
Depreciation	248,481	82,828	165,653	33%
Total Operating Expenses	<u>5,089,482</u>	<u>1,855,143</u>	<u>3,234,339</u>	<u>36%</u>
Operating Income (Loss)	741,399	3,042,782	2,301,383	410%
Non-Operating Revenues (Expenses)				
Interest Earned	2,771	-	(2,771)	100%
Total Non-Operating Revenues (Expenses)	<u>2,771</u>	<u>-</u>	<u>(2,771)</u>	<u>0%</u>
Transfers Out To Capital Improvement Fund	495,908	-	(495,908)	100%
Change in Net Position	248,262	3,042,782		
Net Position, Beginning	<u>967,142</u>	<u>967,142</u>		
Net Position, Ending	<u>\$ 1,215,404</u>	<u>\$ 4,009,924</u>		

UNAUDITED AND PRELIMINARY
BEAUFORT COUNTY, SOUTH CAROLINA
STATEMENT OF REVENUES, EXPENSES AND CHANGE NET ASSETS
Stormwater Utility
For the period ending January 31, 2016

	<u>Budget FY 2016</u>	<u>Actual</u>	<u>Budget to Actual</u>	<u>Percent of Budget</u>
Transfer in From Stormwater Utility Fund				
Administration Complex Parking Lot Retrofit	-	-	-	0%
Okatie East Retrofit	-	-	-	0%
Highway 278 Retrofit	-	-	-	0%
Okatie East Retrofit	-	-	-	0%
Buckingham Plantation Retrofit	400,000	-	(400,000)	0%
Upper Battery Creek Retrofit	95,908	-	(95,908)	0%
Brewer Memorial Park	-	-	-	0%
Total Transfers in	<u>495,908</u>	<u>-</u>	<u>(495,908)</u>	
Capital Improvement Expenses				
Administration Complex Parking Lot Retrofit	-	767	(767)	100%
Okatie East Retrofit	-	1,250	(1,250)	100%
Highway 278 Retrofit	47,590	54,199	(6,609)	114%
Okatie West Retrofit	315,000	-	315,000	0%
Buckingham Plantation Retrofit	400,000	-	400,000	0%
Upper Battery Creek Retrofit	117,604	3,513	114,091	3%
Brewer Memorial Park	9,500	-	9,500	0%
Total Operating Expenses	<u>889,694</u>	<u>59,729</u>	<u>838,591</u>	<u>7%</u>
Change in Net Assets by Project				
Administration Complex Parking Lot Retrofit		(767)		
Okatie East Retrofit		(1,250)		
Highway 278 Retrofit		(54,199)		
Okatie East Retrofit		-		
Buckingham Plantation Retrofit		-		
Upper Battery Creek Retrofit		(3,513)		
Brewer Memorial Park		-		
Total Change in Net Position by Project		<u>(59,729)</u>		
Net Position, Beginning				
Administration Complex Parking Lot Retrofit	24,919	24,919		
Okatie East Retrofit	35,169	35,169		
Highway 278 Retrofit	143,670	143,670		
Okatie East Retrofit	62,285	62,285		
Buckingham Plantation Retrofit	2,500	2,500		
Upper Battery Creek Retrofit	125,243	125,243		
Brewer Memorial Park	-	-		
Total Net Position, Beginning	<u>393,786</u>	<u>393,786</u>		
Net Position, Ending				
Administration Complex Parking Lot Retrofit		24,152		
Okatie East Retrofit		33,919		
Highway 278 Retrofit		89,471		
Okatie East Retrofit		62,285		
Buckingham Plantation Retrofit		2,500		
Upper Battery Creek Retrofit		121,730		
Brewer Memorial Park		-		
Total Net Position, Ending		<u><u>334,057</u></u>		

Stormwater Utility Fee Credit Program Overview

Presentation to SWUB

March 23, 2016

Project Purpose & Program Overview

- ✓ Consideration of existing credits program
- ✓ Rational nexus with new rate structure
- ✓ Accommodate old and new rate structures as simply as possible

Review of Other Programs

Georgetown County

- Similarity: geography, jurisdiction
- Credits: NPDES Industrial, Education, LID, Porous Pavement, Other
- Max Credit: 25-70%
- Eligibility: NSFR
- Application: NPDES permit, engineering plans
- Validity: One year

Horry County

- Similarity: geography, jurisdiction
- Credits: Freshwater wetlands, On-site detention/retention
- Max Credit: No max
- Eligibility: NSFR
- Application: Compliance with technical requirements
- Validity: Not specified

Wilmington, NC

- Similarity: geography
- Credits: Water Quantity, Water Quality, NPDES Industrial
- Max Credit: 40%
- Eligibility: NSFR
- Application: Engineering plans
- Validity: One year

Palm Bay, FL

- Similarity: geography
- Credits: Detention, Retention, Separate System, Rain Barrel, Pervious Pavement
- Max Credit: 100%
- Eligibility: NSFR, SFR
- Application: Survey data, engineering analysis
- Validity: Not specified or one-time

Philadelphia, PA

- Similarity: rate structure
- Credits: Infiltration, Detention, Retention, Volume Reduction, NPDES Industrial
- Max Credit: 90% IA and GA
- Eligibility: NSFR
- Application: Engineering plans or as-builts, permit, application fee
- Validity: Four years

Pasco County, FL

- Similarity: geography
- Credits: SCM, NPDES Industrial, NPDES Phase II MS4, Agricultural BMP
- Max Credit: 25%
- Eligibility: NSFR
- Application: permit, SCM maintenance records and inspection report
- Validity: One year

Jacksonville, FL

- Similarity: geography
- Credits: NPDES Industrial, Permitted Stormwater Pond, Drainage Study, Landlocked System, Non-structural BMPs
- Max Credit: 50%
- Eligibility: NSFR and SFR
- Application: Engineering analysis
- Validity: Indefinite (seeming)

Granville County, NC

- Similarity: jurisdiction, rate structure
- Credits: Structural Control Measures
- Max Credit: 60%
- Eligibility: NSFR or SFR
- Application: compliance with technical standards
- Validity: Five years

Draft Credit Plan for New Rate Structure Jurisdictions

Structural Control Measures

Linked to compliance with existing regulations

Volume Control

MS4 Permit requirements

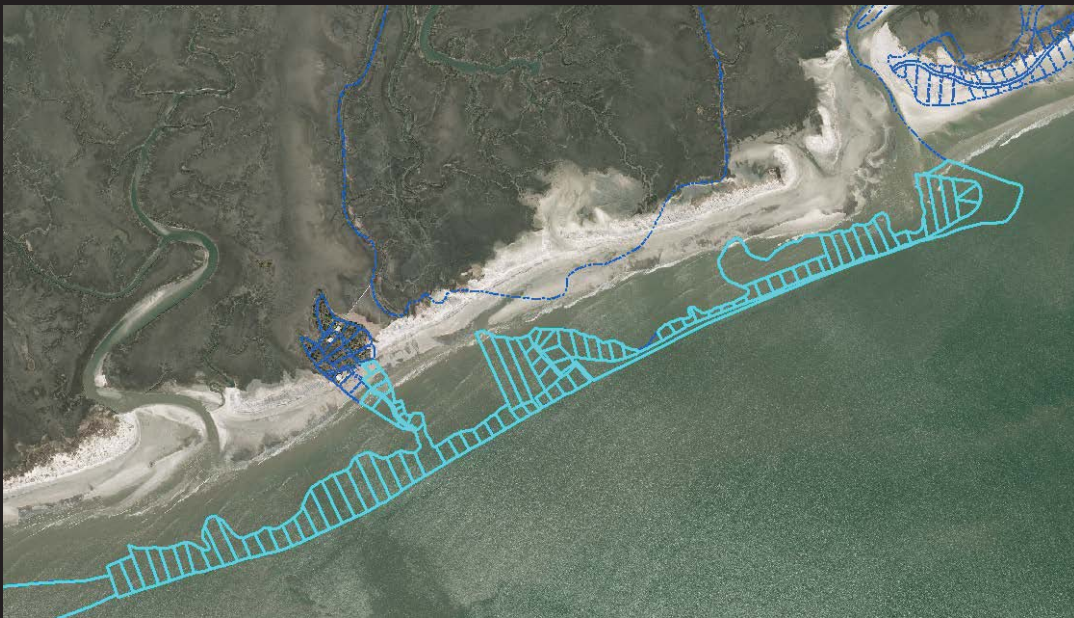
- ✓ Reference Beaufort County Stormwater BMP guidance document
- ✓ This ties to current treatment of partial impervious area, which is often considered a structural control measure, and matches the percent discount

Credit: Standard at 50% of IA portion of charge

- ✓ Administration:

Perpetual credit applicability until BMP inspection fails

Inundated Properties



- ✓ Properties that are characterized as “marginal water” will not be charged the gross area portion of the stormwater fee
- ✓ Credit: Standard at 100% of GA portion of charge; portions of lots under water would receive credit also
- ✓ Administration:
 - No application
 - Credited in perpetuity

Undevelopable Properties

- ✓ Portions of properties that are undevelopable because they are marshlands or have agreed to an undevelopable status (i.e. through a conservation easement)
- ✓ These are reducing the program's obligation to keep those areas developable
- ✓ Credit: 100% of GA portion of charge for part that is undevelopable
- ✓ Administration:
 - Apply once
 - County will review and maintain a layer of undevelopable properties
 - County will periodically review properties enrolled in this program

Education Credit



- ✓ Credit associated with providing stormwater education as required by the MS4 Public Outreach and Education MCM
- ✓ County costs related to education are part of the fixed portion of the fee, but the benefit of the education will relate more to IA portion of fee
- ✓ Credit: 30% of IA portion of charge
- ✓ Administration:
 - Apply annually
 - Use existing curriculum
 - Provide documentation of curriculum and attendees

Others Considered

- Industrial Individually Permitted properties – similar to current credit, 10% of IA
- Large tracts of vacant land – no
- Separately maintained stormwater systems – no
- Residential BMPs – no
- Non-structural BMP options (pick 6/9 options) – similar to current credit, 25% of IA

Applicability to CWI

- ✓ Any credits granted for impervious or gross area components of a customer's fee will also be applicable to that customer's CWI charge.

Administration

Goals

- ✓ Simple application
- ✓ Clear eligibility
- ✓ Straightforward calculations
- ✓ Minimal burden to customer

Billing Database

PIN	App ID	Related PIN	Credit Type	Credit Percent	Fee Portion	Credit Start Date	Credit End Date	Link to Application	Notes
100-1	1	100-1	Undevelopable	73	GA	3/1/2016	3/1/2019	S:\Stormwater\Credits\100-1	
100-2	2	100-2	Education	30	IA	3/1/2016	3/1/2017	S:\Stormwater\Credits\100-2	
100-3	3	100-3	Inundated	100	GA	3/1/2016	3/1/9999	S:\Stormwater\Credits\100-3	
100-4	4	100-4	SCM	50	IA	3/1/2016	3/1/2019	S:\Stormwater\Credits\100-4	Bioretention cell built 3/13
100-4	4	100-5	SCM	50	IA	3/1/2016	3/1/2019	S:\Stormwater\Credits\100-4	

- New table that is referenced as the final step to fee calculation
- Database form for entry into this table
- Report out expiring credits for County or customer action

Timeline

- ✓ SWIC – last week
- ✓ SWUB – today
- ✓ NRC – April 19th
- ✓ Final Documentation – early May

Alternate 2016 Schedule

SWIC Schedule	Stormwater Management Utility Board Schedule	Time	Location	NRC Schedule
January 20, 2016	January 27, 2016	4th Wed 2:00PM	Executive Conference Room 170 100 Ribaut Road, Beaufort, SC	Monday, February 01, 2016
February 10, 2016	February 24, 2016	4th Wed 2:00PM	Executive Conference Room 170 100 Ribaut Road, Beaufort, SC	Monday, March 07, 2016 & Tuesday, March 22, 2016
March 14, 2016	March 23, 2016	4th Wed 2:00PM	Executive Conference Room 170 100 Ribaut Road, Beaufort, SC	Monday, April 04, 2016
April 20, 2016	April 27, 2016 or April 13, 2016	4th Wed 2:00PM	Executive Conference Room 170 100 Ribaut Road, Beaufort, SC	Tuesday, April 19, 2016
May 4, 2016	May 11, 2016	2nd Wed 2:00PM	Executive Conference Room 170 100 Ribaut Road, Beaufort, SC	May 17, 2016
June 1, 2016	June 8, 2016	2nd Wed 2:00PM	Executive Conference Room 170 100 Ribaut Road, Beaufort, SC	Tuesday, June 21, 2016
Summer break	Summer break		Summer Break	Summer break
August 3, 2016	August 10, 2016	2nd Wed 2:00PM	Executive Conference Room 170 100 Ribaut Road, Beaufort, SC	Monday, August 15, 2016
September 7, 2016	September 14, 2016	2nd Wed 2:00PM	Executive Conference Room 170 100 Ribaut Road, Beaufort, SC	Monday, September 19, 2016
October 5, 2016	October 12, 2016	2nd Wed 2:00PM	Executive Conference Room 170 100 Ribaut Road, Beaufort, SC	Monday, October 17, 2016
November 2, 2016	November 9, 2016	2nd Wed 2:00PM	Executive Conference Room 170 100 Ribaut Road, Beaufort, SC	Monday, November 21, 2016
December 7, 2016	December 14, 2016	2nd Wed 2:00PM	Executive Conference Room 170 100 Ribaut Road, Beaufort, SC	Monday, December 19, 2016

Red Font indicates a change from the previously approved schedule.