



BEAUFORT COUNTY
STORMWATER MANAGEMENT UTILITY BOARD
Wednesday, January 9, 2013
2:00 p.m.
Conference Room, Building 2, Beaufort Industrial Village
102 Industrial Village Road, Beaufort
843.255.2801

In accordance with South Carolina Code of Laws, 1976, as amended, Section 30-4-80(d), all local media was duly notified of the time, date, place and agenda of this meeting.

1. CALL TO ORDER – 2:00 p.m.
 - A. Approval of Agenda
 - B. Approval of Minutes – December 5, 2012 ([backup](#))
2. INTRODUCTIONS
 - A. Enviroscape Demo – Laura Lee Rose
3. PUBLIC COMMENT
4. REPORTS
 - A. Monitoring Update–Bob Klink
 - B. Upcoming Professional Contracts Report – Dan Ahern ([backup](#))
 - C. Utility Update - Financial ([backup](#))
 - D. Utility Update – Chechessee ([backup](#))
 - E. Utility Update – 2013 Utility Goals ([backup](#))
 - F. Maintenance Project Report – Eddie Bellamy ([backup](#))
5. UNFINISHED BUSINESS
 - A. Regional Coordination – Dan Ahern
6. NEW BUSINESS
 - A. Inspector report – Danny Polk
7. PUBLIC COMMENT
8. NEXT MEETING AGENDA ([backup](#))
 - A. February 6, 2013
9. ADJOURNMENT



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

December 5, 2012 at 2:00 p.m. in Beaufort County Council Chambers
Draft December 12, 2012

Board Members

Present

Don Smith
Donald Cammerata
Patrick Mitchell
Allyn Schneider
James Fargher
John Youmans

Absent

William Bruggeman

Ex-Officio Members

Present

Andy Kinghorn
Ron Bullman
Scott Liggett

Absent

Tony Maglione

Beaufort County Staff

Lori Sexton
Eddie Bellamy
Bob Klink
Rob McFee
Carolyn Wallace
Alan Eisenman

Visitors

Laura Lee Rose
Katie Giacalone

County Council

1. Meeting called to order – Don Smith

- A. Agenda approved with moving Carolina Clear presentation first.
- B. November 7, 2012 Minutes were approved as posted.

2. Introductions – Completed

3. Public Comment – None

4. Reports

A. Monitoring Annual Report – Bob Klink

We met with GEL last week and discussed a draft of the CDM report on the county's monitoring program. Got some comments from the committee and sent to CDM. Received the final report today.

Report will not call for significant changes and we be working with GEL to implement. Suggested volume control monitoring and drop metal monitoring except copper and zinc. We will now be signing the MOU with USCB and it will be about a year before they will be ready. The meeting also discussed the county's efforts in open water copper monitoring. Will be scheduling GEL for an annual report presentation. Don Cammerata wanted the data to be presented with an analysis so the board knows what the data is telling us. The Board should know what is being done and why it is being done. Would like to hear thoughts even if it is not conclusive. Don Smith noted that there have been a lot of efforts on Highway 170 expansion.

Next GEL Monitoring Meeting is January 29, 2013 at 1:30 at PW Conference Room.

B. Upcoming Professional Contracts Report – Carolyn Wallace

The annual contract for GEL was approved by County Council on November 26, 2012. We will also be dropping the pending administrative center parking lot additional contract since it has been decided not to do demonstrations for contractors as part of this project.

C. Utility Updates – Carolyn Wallace

Webcasts: The next scheduled webcast will be December 12, 2012 from 12:00 – 2:00pm at BIV 2 on “Customizing your Stormwater BMP Design for Specific Pollutants”.

Stormwater Rulemaking: Attached to the agenda was an update from the Water Environment Federation (WEF) that has their take on EPA’s proposed rulemaking. Dan is on the national WEF’s national stormwater committee and wanted to share this information with you. This rulemaking could impact the MS4 process and requirements. Andy Kinghorn asked if it would require changes to BMP manual. Bob Klink said that it would not require changes and the county would only need to adopt illicit discharge requirements. Carolyn noted that one of seven areas of emphasis in this rulemaking is restoration.

Financial Reports: Attached to the agenda were the financial reports prepared by Alan Eisenman. Alan will be back in February for the quarterly presentation.

Capital Improvement Funding for the Utility: Based on the board’s recommendation at last month’s meeting we met with our financial folks and proposed setting up a transfer of funds to support future projects to be funded as part of the watershed restoration. A copy of this memo was attached to the agenda. Scott Liggett asked if this reserved fund would be used for other activities and how this would occur. It is expected that funds will only be used for restoration but county council could always change priorities. Patrick Mitchell asked if other projects besides administration parking have been designed. Others (Hwy 278 and Okatie East) are in design and are waiting for regulatory approval.

D. Maintenance Project Reports – Eddie Bellamy

Mr. Bellamy reported 12 projects in shortened format. There was a discussion on type of grass that was used on ditches. Seed used is best to stabilize soil and allow for native plants to grow.

5. Unfinished Business

A. Regional Coordination – Carolyn Wallace

The SWIC had a meeting November 15, 2012 and developed wording on a cost share agreement for LIDAR. Also got input on Utility 2013 goals and this will be shown later. Committee also recommended that the level of effort on our outreach program remain the same for FY 2014. The next SWIC meeting will be January 17, 2013.

Andy Kinghorn asked to receive SWIC minutes and Carolyn will ask Dan to send to Board members.

6. New Business

A. FY2014 Proposed Utility Goals – Carolyn Wallace

Reviewed status report on current goals and noted that many have been completed. Also attached to meeting agenda were the proposed priorities for the coming year. These priorities were taken to the SWIC and their input has been noted on the sheets. The Board members were asked to provide input by picking their top ten priorities and sending to Dan by December 19, 2012. The final top ten will be shared with the Board next year and will be used to help develop the FY2014 budget. There was a discussion on the pond maintenance system goal.

B. Carolina Clear Report – Laura Lee Rose and Katie Giacalone (*presented earlier in meeting*)

Laura Lee has joined the Clemson Water Resources Team in June. She still runs Master Gardner program. She presented a powerpoint program on activities that included:

- Town of Bluffton bioswale project at Oyster Factory Park
- Waddell Mariculture erosion prevention
- Clean Marine project activities
- Education at Farmers market
- Utilizing program on “words that work”
- Outreach to professional landscapers
- Collaboration on Rural and Critical Land stormwater management

Katie Giacalone then talked about some new items being added to tool box that included fact sheets:

- Floating wetland
- Illicit discharge
- Shoreland plants
- Management of SW Ponds

Don Smith asked how will Carolina Clear follow-up on utilization of materials. Katie said they have followed up with conferences utilizing materials. Eddie Bellamy recommended that the Board consider having a enviroscape demonstration. Don asked Laura Lee to schedule this at an upcoming meeting. Carolyn said that SWIC had recommended two priorities and did the Board have any others:

- Landscaper outreach
- Pond bird population

Don Smith recommended that shoreline buffer be continued.

7. Public Comment –

8. Next meeting agenda – January 9, 2013 and approved proposed January agenda with adding of enviroscape presentation and report back on goals.

9. Meeting adjourned.

Professional Contracts – **January 2013 Report**

Covers all contracts on track to get approved

Format will be

1. Contact Name; Contractor; Amount; Purpose and Description; Status
2. Projects funded from last report

Volume Control Cost Analyses – Thomas and Hutton; \$15,000; Will be two analyses for a site they are developing in Beaufort County. Site is A soil and first analysis will be to see cost differential between current volume controls and previous water quality controls. The engineer commented that only looking at A soil would not give a full cost picture and proposed to also redesign project to both volume and pre-volume requirements assuming D soils. This would give a range of possible costs and better picture if there are additional costs for volume controls.

Support of USCB Lab Development – GEL; estimated \$5,000; Will be a transfer of funded monitoring funds to a project to assist USCB to set up their lab. GEL will provide consulting service to USCB as they develop their lab. May also assist USCB in purchasing equipment and sharing reporting formats to keep report to utility seamless.

Upgrade of On-lot Web Program – Create and Solve; estimated \$2,000; Will be a program upgrade to include more bioretention options than rain gardens. We will start when we have time to meet with contractor.

Development of Copper QAPP – GEL; estimated \$10,000; Presently we have four copper violations in Port Royal and St Helena Sounds. These violations are based on limited and old sampling. We want to take samples to verify whether these violations still exist. For data to be accepted by DHEC we must develop and get approved a quality assurance project plan (QAPP) on how samples will be taken and analyzed. We are asking GEL to develop this and then the SW Utility will take samples according to this plan. **(Now on hold until monitoring is done at sites)**

Projects Funded since Last Report

None

UNAUDITED AND PRELIMINARY
BEAUFORT COUNTY, SOUTH CAROLINA
STATEMENT OF NET ASSETS
Stormwater Utility
November 30, 2012 & November 30, 2011

	<u>November 30, 2012</u>	<u>November 30, 2011</u>
<u>ASSETS</u>		
Current Assets		
Cash and Investments with Trustee	\$ 1,805,902	\$ 1,061,284
Receivables, Net	24,692	54,228
Inventories	102,941	119,640
Total Current Assets	<u>1,933,535</u>	<u>1,235,152</u>
Capital Assets		
Capital Assets	2,798,912	2,955,300
Accumulated Depreciation	<u>(1,911,910)</u>	<u>(1,792,543)</u>
	887,002	1,162,757
Total Assets	\$ 2,820,537	\$ 2,397,909
<u>LIABILITIES</u>		
Liabilities		
Account Payable	49,620	57,970
Accrued Payroll	48,043	38,694
Accrued Compensated Absences	6,247	4,470
Total Current Liabilities	<u>103,910</u>	<u>101,134</u>
Long Term Liabilities		
Accrued Compensated Absences	63,160	70,038
Net Other Postemployment Benefits Obligation	<u>646,232</u>	<u>519,398</u>
Total Long Term Liabilities	709,392	589,436
Total Liabilities	813,302	690,570
<u>NET ASSETS</u>		
Invested in Capital Assets, Net of Related Debt	887,002	1,162,757
Unrestricted	<u>1,120,233</u>	<u>544,582</u>
Total Net Assets	<u>\$ 2,007,235</u>	<u>\$ 1,707,339</u>

Unaudited and Preliminary
 BEAUFORT COUNTY, SOUTH CAROLINA
 STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET ASSETS
 Stormwater Utility
 For the Period Ended November 30, 2012

	Budget FY 2013	November 30, 2012	Budget to Actual	Percent of Budget
Operating Revenues				
Stormwater Utility Fees	\$ 3,469,180	\$ 456,561	(3,012,619)	13%
Stormwater Utility Project Billings	370,664	19,501	(351,163)	5%
Total Operating Revenues	<u>3,839,844</u>	<u>476,062</u>	<u>(3,363,782)</u>	12%
Operating Expenses				
Personnel	2,014,323	786,938	(1,227,385)	39%
Purchased Services	1,297,125	193,197	(1,103,928)	15%
Supplies	425,660	108,358	(317,302)	25%
Depreciation	273,545	113,980	(159,565)	42%
Total Operating Expenses	<u>4,010,653</u>	<u>1,202,473</u>	<u>(2,808,180)</u>	30%
Operating Income (Loss)	(170,809)	(726,411)	(555,602)	425%
Non-Operating Revenues (Expenses)				
Interest Earned	11,389	-	(11,389)	0%
Total Non-Operating Revenues (Expenses)	<u>11,389</u>	<u>-</u>	<u>(11,389)</u>	0%
Change in Net Assets	(159,420)	(726,411)	(566,991)	456%
Net Assets, Beginning	<u>2,733,646</u>	<u>2,733,646</u>		
Net Assets, Ending	<u>\$ 2,574,226</u>	<u>\$ 2,007,235</u>	(566,991)	78%

Unaudited and Preliminary
BEAUFORT COUNTY, SOUTH CAROLINA
STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET ASSETS
Stormwater Utility
For the Period Ended November 30, 2011

	Budget FY 2012	November 30, 2011	Budget to Actual	Percent of Budget
Operating Revenues				
Stormwater Utility Fees	\$ 3,344,133	\$ 357,020	(2,987,113)	11%
Stormwater Utility Project Billings	64,278	-	(64,278)	0%
Total Operating Revenues	<u>3,408,411</u>	<u>357,020</u>	<u>(3,051,391)</u>	<u>10%</u>
Operating Expenses				
Personnel	1,986,780	769,393	(1,217,387)	39%
Purchased Services	720,938	262,003	(458,935)	36%
Supplies	426,223	142,751	(283,472)	33%
Depreciation	285,859	119,075	(166,784)	42%
Total Operating Expenses	<u>3,419,800</u>	<u>1,293,610</u>	<u>(2,126,190)</u>	<u>38%</u>
Operating Income (Loss)	(11,389)	(936,590)	(925,201)	8224%
Non-Operating Revenues (Expenses)				
Gain (Loss) on Sale of Capital Assets	-	50,000	50,000	100%
Interest Earned	11,389	-	(11,389)	0%
Total Non-Operating Revenues (Expenses)	<u>11,389</u>	<u>50,000</u>	<u>38,611</u>	<u>100%</u>
Change in Net Assets	-	(886,590)	(886,590)	-100%
Net Assets, Beginning	<u>2,593,929</u>	<u>2,593,929</u>		
Net Assets, Ending	<u>\$ 2,593,929</u>	<u>\$ 1,707,339</u>	(886,590)	66%



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



December 21, 2012

Clerk of the Board
SC DHEC
2600 Bull Street
Columbia, S.C. 29201

Subject: Appeal of Notice of Department Decision (NODD), Chechessee Creek Shellfish FC TMDL

This letter is an appeal to the subject NODD. The Stormwater Utility had previously commented on a draft document and in your December 6, 2012 letter you acknowledged receipt of our concerns and provided a response to our comments. These responses did not address what we think are significant issues in this county and we are appealing this decision according to the notice of appeal procedure we received with the decision.

- A. Grounds on which the Department's decision is challenged and the specific changes sought in the decision**
- a. Challenge is to the implementability of TMDL as written given the low developed area in the watershed and apparent background loads. A percentage reduction target does not address load and does not identify a way to achieve load reduction.
 - b. Statements concerning status of Shellfish Monitoring stations in the TMDL area appear to be in conflict with standards in State regulations R.61-68 and R. 61-47.
- B. A statement of any significant issues or factors the Board should consider in deciding whether to conduct a final review conference.**
- a. TMDLs are to include load allocations for both nonpoint sources and natural background levels. This was not done in this TMDL
 - b. Current State regulations lead to different determinations of water quality standard and Shellfish adequacy.
 - c. Watershed has very low development (only 5.1% developed) and no known development loads to areas requiring reduction.
- C. A copy of the Department's decision for which the review is requested**
- a. December 6, 2012 letter from Wade Cantrell on earlier TMDL comments and transmitting NODD. (Attached)

Sincerely,

A handwritten signature in blue ink, appearing to read "Daniel Ahern".

Daniel Ahern P.E., Manager
Beaufort County Stormwater Utility
843 255-2805
dahern@bcgov.net

cc Josh Gruber, County Attorney
Rob Mc Fee, Director of Engineering and Infrastructure

Stormwater Utility Priorities for 2013

Final December 19, 2012

Overall Priority – Implementing the Utility Vision of an Efficient Utility Addressing the Stormwater Needs of the County, while Protecting its Water Resources

Proposed Top Three Internal Management Goals

1. Complete SW Utility building renovations
2. Link EOS, Management Plan and Capital Improvement Plan into proposed FY2014 Budget
3. Clearer utility priorities stated during year so staff can better focus on current priorities

Top Ten External Goals Nominees - SWIC top ten recommendations in (Bold) - SW Board voted in ()

1. (3)Start preparations for NPDES MS4 permit **(3)**
 - a. Develop application
 - b. Determine utility outfalls under permit
2. (3)Initiate agreements to start development of update to SW Management Plan **(2)**
3. (3)Develop inspection procedures/checklist for BMPs and to identify hot spots including SC DOT **(3)**
4. (3)Develop Water Collection (Catch Basin) identification and inspection schedule **(2)**
5. (2)Complete the Easement/Drainage/Pipe Layer with files from Public Works and Engineering **(2)**
6. (2)Develop Battery Creek watershed restoration agreements with City of Beaufort **(2)**
7. (2)Obtain regulatory approvals for Okatie East retrofit **(1)**
8. (2)Complete LIDAR and update drainage layer with 2013 DEM **(3)**
9. (2)*Complete Drainage Characterization for Unincorporated County and Develop comprehensive graphical SW Needs picture with what we are and not doing*
10. (2)Develop Plan and costs to address SC DOT outfalls and BCSD drainage issues **(2)**

Other Goals

11. (1)Implement ditch Maintenance schedules with Pubworks **(1)**
12. *(1)Develop Pond Maintenance System (1)*
13. Continue to develop Utility capability to do water quality retrofit projects **(1)**
14. (1+)Restoration Agreement with Town of Bluffton on May/Okatie Rivers **(2)**
15. (+)Continue support for two R&D efforts – Water Budget and Salinity Study **(1)**
16. Implement a Utility Locate System
17. Transition water quality monitoring contract from GEL to USCB **(1)**
18. Explore 319 funding for Battery Creek **(1)**
19. Pollution Prevention Plans for SW Utility **(1)**
20. *(1)Look for ways to stress economic value of SW protecting water quality*
21. Follow-up on public education slots for County Channel
22. Coordinate new Form-based code
23. Actively participate in the Okatie 319 grant
24. *Interactive Website graphics on SW*
25. Make purchase of property needed for Okatie West retrofit in time to utilize current wetlands delineation
26. Explore with Public Works adopting CHS SWU use of GPS touch devices

Note: goals in italics are recommendations by County Administrator in FY2012.

Guiding principles for Utility determinations were

1. Actions needed for NPDES Permit
2. Addressing WQ Issues
3. Improve efficiency in Utility operation

Project Summaries

January 2013

Small Drainage Projects

- Lady's Island Vacuum Truck
Oct. 12– Lady's Island
 - Jetted out (2) crossline and (4) driveway pipes on Coosaw Island Drive and Judge Island Road.

Small Drainage Projects

- Peace Haven Drive

Nov. 12 – Port Royal Island

- Cleaned out 1,659 ft. of roadside ditch and (1) catch basin. Jetted out (2) crossline pipes and (10) driveway pipes.

Small Drainage Projects

- Port Royal Island Vacuum Truck
Nov. 12 – Port Royal Island
 - Cleaned (32) catch basins, jetted out (8) crossline pipes and 41 ft. of roadside pipe.

Small Drainage Projects

- Jonesfield Road

Nov. 12 – Port Royal Island

– Replaced (2) stolen storm drain lids.

Small Drainage Projects

- Moses Road

Nov. 12 – Port Royal Island

– Cleaned out 1,378 ft. of roadside ditch, jetted out (1) crossline pipe, (6) driveway pipes and 32 ft. of roadside pipe.

Small Drainage Projects

- David Green Road Outfall
Nov. 12 – St. Helena Island
 - Cleaned out 2,100 ft. of outfall ditch and jetted out (1) crossline pipe.

Small Drainage Projects

- Schein Loop Outfall
Nov. 12 – Port Royal Island
– Removed a blockage from the flow line.

Small Drainage Projects

- St. Helena Isl. Drop Off/Recycling Center
Nov. 12 – St. Helena Island
 - Repaired several washouts around the perimeter of the retention pond and seeded for erosion control.

Small Drainage Projects

- Lady's Island Bush Hog
Dec. 12 – Lady's Island
 - Bush hogged 24,056 ft. of outfall ditch at a cost of \$11,476, or \$.48 per linear foot.



BEAUFORT COUNTY
STORMWATER MANAGEMENT UTILITY BOARD

Wednesday, February 6, 2013

2:00 p.m.

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843.255.2801

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5. UNFINISHED BUSINESS
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8. NEXT MEETING AGENDA
 - A. March 6, 2013
9. ADJOURNMENT

