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

December 7, 2011 at 2:00 p.m. in Beaufort County Council Chambers
Final Jan. 4, 2012

Board Members

Present	**Absent**
Don Smith	Brad Samuel
Allyn Schneider	
Donald Cammerata	
John Youmans	
William Bruggeman	
James Fargher	

Ex-Officio Members

Present	**Absent**
Scott Liggett	Tony Maglione
Ron Bullman	
Andy Kinghorn	

Beaufort County Staff
Dan Ahern
Robert Klink
Lori Sexton
Eddie Bellamy
Rob McFee

Visitors
Kathryn Madden, PR Sound Foundation
Lamar Taylor, City of Beaufort
Paul Moore, Ward Edwards
Laura Lee Rose, Clemson Extension
Reed Armstrong, Coastal Conservation League
Reggie Reeves, GEL Engineering
Jack Walker, GEL Engineering
Alan Warren, USCB
Denise Parsick, BC S&W Conservation Distr.

County Council

1. Meeting called to order – Don Smith
- **A.** Agenda approved.
- **B.** November 2, 2011 Minutes were approved as posted.

2. Introductions

3. Public Comment

4. Reports –
- **A. Stormwater (SW)/Form based code – Subcommittee Report –** Don Smith**:** no report

- **B. Monitoring Annual Report –** GEL Engineering: Reported on Year 4 Monitoring report that was attached to agenda. A power point presentation (also attached to agenda) explained:
  - Changes in sample locations – now 5 Existing WQ and 5 Trend stations
  - Expanded Copper Evaluation – Copper Sulfate application sampling, Biotic Ligand Model
  - Sediment Sampling for Fecal Coliform – learned that Fecal Coliform concentration varies on surface and little found in subsurface samples

- Conclusions and Recommendations – no additional relocation but recommended operational solution and consideration of establishing a new BMP site and model loading sites.

Numbers of questions on Copper were deterred to after Dr. Warren's presentation. There were questions on the recommendation to monitor loading from certain sites to verify original modeling from the master plan. There were also questions on BMP removal percentage sampling. The Utility now focuses on quality of the BMP effluent and if it is good we do not care about removal efficiency.

C. Upcoming Professional Contracts Report – Dan Ahern**:** Reported that three of the reported contracts from last month were authorized. We do not have any new contracts in the pipeline but expect we will have a number if we can get the watershed restoration effort going. Explained Step 2 exemption process.

D. Maintenance Project Report – Eddie Bellamy**:** Reported on (7) major and (19) minor and/or routine maintenance projects this month. This raps up reporting FY 2011 projects. These reports are posted on County Web site. The large projects were:
- Twickenham Plantation Rd Ph II
- Burton Wells Park Complex
- Sea Pines Drive and Coffin Point Outfall
- Colonial Heights PH V
- Dawson/Haynes Outfall
- Bradley Road Outfall
- Langford Road

FY 2011 Project Summary – Caroline Wallace**:** Summarized the projects accomplished by the Infrastructure section for FY2011:
There were a total of 136 maintenance projects for a total of $1.4M ($1,427,798) and there were 29 major projects for a total of $1.1M ($1,132,699). Therefore the total for all projects is $2.5M ($2,552,936). Even though all of the project summaries have been completed, there is still some work that is not associated with a specific project that still needs to be accounted for. It is important that we have a total dollar amount of efforts by the Infrastructure section, because that number will be compared to their expenditures for FY2011 (which I will be presenting later) to indicate if we have captured the full cost for operations. This will also determine if the indirect cost needs to be adjusted in this upcoming fiscal year. Our goal for the last few years is to have the project summaries capture the cost of the infrastructure section.

5. Unfinished Business –

A. Regional Coordination – Dan Ahern**:** The SWIC met November 17, 2011 and continued the 5 year review of the SW Management plan. As a reminder of our goals, we have divided up the program elements among the committee and have set a goal of having a draft of this in April 2012. Output of the work will be to:
- Updating of recommended levels of effort
- Status of recommended actions
- Recommendation on need for updating new SW Management Plan
- Decide how this effort fits with Administrator's 10 year utility Report.

At this meeting we tackled the Water Quality Controls in Existing Development Program Element. A number of recommendations were proposed for adoption. Next meeting will be December 12 and we will tackle three of the program elements.

B. Watershed Restoration – Dan Ahern**:** Staff has updated the Water Quality Restoration plan and asked that a resolution approving this plan be passed. It is hoped that the SW Board action to request initiation may lead help with the implementation of this plan. There were questions about the Okatie retrofits and whether the new 278 Highway expansion will meet County Stormwater requirements. Reported that County staff is working to have retrofit solution that meets controls for both new and existing impervious surfaces. Don Smith asked municipality input on this restoration plan. Town of Bluffton was OK with recognition of May River efforts. The City of Beaufort was aware of Battery Creek issues and will line up and figure how to solve them. Town of Hilton Head Island likes the Watershed based process and wants to express their interest on 5 year plans on the other programs recommended in the SW Management Plan.

The Board approved the following resolution:
The SW Utility Board approves the 2011 Water Quality Restoration Plan and recommends that Utility takes action to initiate implementation

Question asked by Andy Kinghorn on status of Military Fee issue. Reported nothing new to report but is being worked by legal representatives and are coordinating with MCAS to see if new construction is meeting current stormwater standards.

6. New Business –

A. Copper Presentation – Dr. Alan Warren**:** A power point presentation was shown on copper answering a number of questions that had been previously asked by the Board. This presentation is now attached to the agenda on county web site. Dr. Warren addressed the following:

- What is Copper Sulfate
- Dissolved vs. Total Copper
- Why is Copper a Problem
- Copper Standards and standards derived using BLM
- How differing standards are applied
- Eagles Point Copper sampling
- Actions to reduce impact of applications

Dr. Warren said that there are issues with making appropriate determinations because testing was done on fresh water and concern is impact in saltwater environment. He also was concerned about the timing on the application and Biotic Ligand Modeling sampling and comparing these results.
He said prohibiting pond discharges for 24 hour after treatment is prudent but 24 hour is not only decision since copper is continuing to reduce for a number of days after application. He said the half life of dissolved copper is generally 1 to 2 days. He said that copper sulfate is a short term solution that does not address the long term problem.

Dr. Warren answered a number of questions from board members. The full meeting is now posted on video by demand on County Web site.

B. Pond Operation after Copper Application – Dan Ahern/Bob Klink**:** Staff requested a resolution endorsing prohibiting discharge for 24 hours after pond copper sulfate applications. This will be incorporated into the BMP Manual as pond maintenance/operation practice. After discussion the board proposed and passed with one board member objecting the following resolution requiring 48 hour instead of 24 hour discharge:
The Stormwater Utility Board requests that prudent action be taken to reduce copper entering our waterways by prohibiting pond systems from discharging for 48 hours after copper sulfate application

C. Budget Comparison and Goal Input – Dan Ahern for Carolyn Wallace**:** The budget comparison was delayed to January meeting. Did ask the Board to give the Utility feedback to the proposed goals for the coming year that will be used to drive budget development. We need to know if the board feels some of the goals, not in the top ten, should be raised so it gets proper consideration in the budget process. Agreed board would comment by December 22, 2011 so we can report the final top ten goals at the January meeting.

D. May River Action Plan – Ron Bullman**:** Presented a power point on this Action Plan. This presentation is now attached to agenda. This presentation addressed the history, background and parallel efforts of both prevention and restoration in the watershed.

7. Public Comment – None

8. Next meeting agenda – Board approved proposed January agenda with request for presentation by Resort Management and delayed budget comparison. Don Smith would like to have municipalities' present ideas of future agenda items at the February Board meeting.

9. Meeting adjourned.