### **Proposed Education Projects**

The Sedimentation Education Committee met in the 5<sup>th</sup> floor conference room of the Archdale Building on October 11, 2007, in Raleigh. At this time, the SEC voted to recommend funding for the following proposal, after it was evaluated by the Technical Advisory Committee. The TAC voted at its meeting on October 16, 2007, to accept the proposal as submitted and forward it to the SCC for final funding approval. Both sets of minutes for these meetings are attached.

"Field Evaluation of Mulches for Establishing Vegetation on Steep Slopes"

Submitted by: Richard A. McLaughlin, Ph.D

Funding requested: \$7,156.04

\* Please see attached proposal for project details.

# Previously Approved Projects for FY07-08 include:

Local Programs Workshops:	\$	66,486.00
Four Workshops for Design Professionals:	\$	21,534.00
Production of Sediments Newsletter	\$	40,250.00
Funds for Reprinting the Field Manual:	\$	38,120.00
Funds to Reprint the Design Manual:	\$	1,965.96
Support of Temporary Environmental Specialis	st I \$	26,688.00
	\$	195,043.96
Balance:	\$	7,156.04

If the requested research proposal "Field Evaluation of Mulches for Establishing Vegetation on Steep Slopes" is fully funded, then all of the FY07-08 educational funds will have been allocated.

# North Carolina Sedimentation Control Commission **Education Committee Meeting Minutes** Archdale Building, Raleigh, NC October 11, 2007

## Committee Members Attending:

Others Attending:

Dr. Joe Kleiss, Chairman Mr. Buzz Bryson

Mr. Jim Farnham

Mr. Berry Jenkins

Ms. Kelly Porter

Mr. Jay Wilson

Mr. Gray Hauser Mr. Mell Nevils Ms. Ashley Rodgers

Dr. Kleiss opened the meeting with introductions and acceptance of prior minutes. Dr. Kleiss questioned the verbage and process of approving research proposals as laid out in the minutes. Ms. Rodgers noted that she would correct to make it more clear. Mr. Wilson made a motion to approve the minutes. The motion was seconded by Mr. Jenkins, and passed unanimously.

The Chairman requested an update on the status of funding and proposals. Ms. Rodgers informed the committee of the funds that were available after the approval of all previous proposals. Ms. Rodgers also gave an update on the completion of revisions to the Clear Water Contractor modules. The committee discussed potential uses for the modules, including training local programs and allowing them to use the modules to hold educational events for contractors in their jurisdictions. A lengthy discussion ensued about priorities for funding during the next fiscal year. The consensus was that there needed to be a balance between spending money on research and on training (for contractors especially).

Dr. Kleiss directed the committee to proposal number 1, "Field Evaluation of Mulches for Establishing Vegetation on Steep Slopes" from Rich McLaughlin at N.C. State University. The committee discussed the proposal and Ms. Rodgers mentioned that a budget revision would be necessary if the proposal were approved. Mr. Jenkins made a motion that the SEC approve project funding for this proposal up to \$7,156.04 contingent upon a revised budget not to exceed that amount is submitted to Land Quality Section staff and then sent to the Technical Advisory Committee. If there are no changes necessary after the TAC review, the proposal will go straight to the SCC for final approval. Mr. Farnham seconded the motion and it passed unanimously. Dr. Kleiss recused himself from the vote on both proposals (numbers 1 and 2) that were submitted by Dr. McLaughlin because Dr. Kleiss is in the same department at N.C. State University.

Dr. Kleiss then asked the committee to consider the two proposals submitted for funding during the 2008-2009 fiscal year. The committee began with a discussion of proposal number 2, "Enhancements for Testing and Training at the Sediment and Erosion Control Research and Education Facility", submitted by Rich McLaughlin at N.C. State University. Several comments were made about needing more information about deliverables. Some of these deliverables included: the efficiencies in capturing sediment, report or published paper, and a draft standard and specifications for the design manual. Mr. Wilson noted that putting this information in the manual could lead to confusion on the part of some contractors, etc.

Mr. Jenkins asked if Dr. McLaughlin had talked to the DOT about the possibility of funding this project.

The committee then moved on to discussion of proposal number 3, "Assessment of Sediment Discharge and Bacterial Source Contamination Originating from Sediment Deposition in Streams" from Dr. Wu at the University of North Carolina-Charlotte. The primary matter debated was whether the project dealt more with water quality or erosion and sediment control. It was decided that issue number one, as identified in the proposal, could possibly be related to erosion and sediment control but that more information and discussion of that issue would be needed. The second issue was identified as a water quality problem. Mr. Jenkins made the motion that, as currently structured, the Sedimentation Education Committee would not fund the project. However, the SEC suggests to Dr. Wu that he solicit some funding from DWQ and then revise the proposal to clarify erosion and sediment control benefits, at which time the SEC would reconsider some level of funding for the new proposal. Mr. Bryson seconded the motion and is passed unanimously.

The SEC returned discussion to proposal number 2, and again identified further information that should be addressed in the deliverables. Among them:

- 1. Final report
- 2. Efficiencies of the measures in retaining sediment
- 3. Amount of Erosion from the slopes of the ditches (how much sediment was carried by ditches vs. how much sediment was coming from the ditches themselves)
- 4. Practice standard for the design manual (discussing the safe use of PAMs and needing at least one measure after their use, also spacing needs between the different measures)

Committee members also expressed interest in a "train the trainer" session for the new contractor training materials and asked the LQS to get proposals together for the next meeting.

Mr. Jenkins moved that the second proposal, "Enhancements for Testing and Training at the Sediment and Erosion Control Research and Education Facility" has merit and that the SEC send it to the TAC for review and comments. Mr. Farnham seconded the motion and it was approved unanimously.

Lastly, Ms. Porter brought up the idea that WRRI could make all or some of the four workshops for design professionals self-sustaining. It is sometimes difficult to get contracts in place at the beginning of the fiscal year, and WRRI cannot begin planning the workshops unless the contract is in place. If the price of the workshops were raised slightly, then at least the fall workshops could be self-sufficient. Possibly a contract would only be needed to help fund the spring design workshops. This would allow more funds to be used for education and would allow WRRI greater flexibility in planning.

The next meeting of the Sedimentation Education Committee was not set. It was decided that the committee would like to meet on a Monday or Wednesday in the spring. Land Quality Section staff will select a few dates and email the committee for input before scheduling the next meeting.

With no further business or discussion, Dr. Kleiss adjourned the meeting.

Minutes recorded by Ashley Rodgers.

#### MINUTES

# NORTH CAROLINA SEDIMENTATION CONTROL COMMISSION TECHNICAL ADVISORY COMMITTEE OCTOBER 16, 2007

# GROUND FLOOR HEARING ROOM, ARCHDALE BUILDING RALEIGH, NORTH CAROLINA

The North Carolina Sedimentation Control Commission Technical Advisory Committee met Tuesday, October 16, 2007 at 2:00 p.m. in the Ground Floor Hearing Room, Archdale Building, Raleigh, North Carolina. The following persons were in attendance for all or part of the meeting:

#### TECHNICAL ADVISORY COMMITTEE

Dr. Joe Rudek, Chairman

Dr. James Gregory

Mr. Berry Jenkins

Mr. Dan Line

Mr. Mack Little

Mr. Kevin Martin

Dr. Richard McLaughlin

Dr. Seth Reice

Mr. Mark Senior

#### **OTHERS**

Mr. Gray Hauser Ms. Ashley Rodgers

#### **ACTION ITEMS**

#### Approval of Minutes from Previous Meeting

Dr. Rudek called for approval of the minutes from the August 29, 2007 meeting. Mr. Senior made a motion to approve the minutes from the August 29, 2007, meeting. The motion was seconded by Mr. Jenkins and passed unanimously.

#### Field Manual Revisions Update

Ms. Rodgers and Mr. Hauser gave an update to the committee on the progress of revising the Erosion and Sediment Control Field Manual. The committee had comments on a few of the sections and made note of sections that may need additional technical updating. No motions were made.

### Discussion of the Draft Vegetative Stabilization Standard

Dr. Rudek opened discussion on the revised draft vegetative stabilization standard. After a brief discussion, Mr. Little moved to approve the standard in its entirety. Dr. Reice seconded the motion. The motion was approved unanimously. Mr. Hauser mentioned that it may be appropriate to put additional references for this section into Chapter 8 of the design manual.

#### Discussion of the Draft Rule for Self-Inspections

Mr. Hauser gave an update on the revisions to the draft rule for self inspections. Dr. Reice made a motion to accept the entire draft rule with a modification to f) such that it read: quarterly for at least one calendar year or until the establishment of permanent ground cover sufficient to restrain erosion. Mr. Jenkins reiterated his concern that the draft rule seemed to be in excess of what is required by the statute. After much discussion, the committee came to a consensus to delete the term "as-built." Dr. Reice revised his motion to approve the draft rule with the following changes:

- 1. Delete all "as-built" in 1a-h
- 2. Revise (1) to say: "The inspection records shall include the following information to document adherence or significant deviation from the approved erosion control plan"
- 3. Under 1h, add affiliation and telephone number to the information requested of the inspector
- 4. Under 2f, replace with "quarterly for at least one calendar year or until the establishment of permanent ground cover sufficient to restrain erosion"

The motion was seconded by Mr. Little and approved unanimously.

#### Discussion of Research Proposals from Education Committee

Ms. Rodgers introduced the two research proposals sent to the TAC by the SEC for comment. Dr. McLaughlin recused himself from the voting, since he was the principal investigator for both proposals. After minor discussion, Mr. Martin made a motion to approve both proposals as worthy of funding. The motion was seconded by Dr. Reice and approved unanimously.

The next TAC meeting was scheduled for Wednesday, January 9, at 9:30 am.

There being no further business, the meeting was adjourned by Dr. Rudek.

Minutes recorded by Ashley Rodgers.