

MINUTES
NORTH CAROLINA SEDIMENTATION CONTROL COMMISSION
TECHNICAL ADVISORY COMMITTEE
APRIL 23, 2007
GROUND FLOOR HEARING ROOM, ARCHDALE BUILDING
RALEIGH, NORTH CAROLINA

The North Carolina Sedimentation Control Commission Technical Advisory Committee met Monday, April 23, 2007 at 9:00 a.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, Committee Chairman, Sedimentation Control Commissioner
Mr. David Harris, NC Department of Transportation
Dr. Greg Jennings, NC State University
Dr. Dan Line, North Carolina State University
Mr. Mack Little, FASLA
Dr. Seth Reice, UNC-Chapel Hill
Mr. Mark Senior, City of Raleigh

OTHERS

Ms. Anna Arnold, Environmental Specialist, Land Quality Section
Mr. Gray Hauser, Sedimentation Specialist, Land Quality Section
Ms. Ashley Rodgers, Sedimentation Education Specialist, Land Quality Section

ACTION ITEMS

Status Report on Manuals

Ms. Rodgers reported on the status of 2006 revision packets to the planning and design manual that have been sent out to current manual owners. Ms. Arnold gave a brief update on the revisions to the Field Manual and Inspector's Guide, which are being updated to reflect changes to the design manual made in 2006. Both documents are being type set in Adobe InDesign for editing. Ms. Arnold has already marked up an existing Field Manual with changes that need to be made. Furthermore, similar processes are being undertaken to update several existing brochures from the Land Quality Section.

Correction/Improvements of June 2006 revisions

Mr. Hauser provided committee members with the current errata of corrections to the Design Manual. Many of these changes have already been made to the online version, but will need to be included in the next revision packet. Ms. Rodgers also included an update on some revisions to the rational method section of the design manual. No motions were made.

Discussion of Permanent Seeding Practice Standards and Specifications

Mr. Hauser provided committee members with the previous draft surface stabilization revisions submitted last August. The need for some guidance on seed mixtures was discussed. Mr. Little relayed that he would look into developing a model mix, etc. to give guidance to manual users. Mr. Hauser also suggested a decision matrix to be developed to further assist designers in choosing seeding practices for their plans. Mr. Little said that he would work on that as well. Further discussion resulted in the decision that this section should be named "Permanent Surface Stabilization", and that a separate

section should cover temporary groundcover. Mr. Hauser will work on a section for temporary ground cover. Mr. Senior will have his engineers review the redone drafts for ease of use and will give comments back to the committee. No motions were made.

Discussion of Level Spreader Practice Standards and Specifications

Mr. Hauser introduced the recently revised final guidance from DWQ on the use of level spreaders. Mr. Hauser noted that this guidance was different than the specifications currently in the Erosion and Sediment Control Planning and Design Manual and raised the question of whether the E&SC manual should be changed to be more consistent with the DWQ standards. Since level spreaders are not really viewed as a sediment control measure, but rather a method of outlet stabilization, it was suggested that level spreader section in the design manual should have brief information but refer to the DWQ manual for design specifications. It was decided that Mr. Hauser and the Land Quality Section staff would bring a draft of the revised level spreader section to a future meeting, but not the upcoming June meeting. No motions were made.

Discussion of Compost in Erosion and Sediment Control

Mr. Hauser initiated discussion on the use of compost in various erosion and sediment control measures, including compost socks and compost berms. After discussion, it was decided that the TAC should request that the Composting Council of NC send a representative to the June meeting to give a fifteen minute presentation on composting practices for erosion and sediment control. Dr. Rudek also suggested that the committee ask the council for appropriate language on different uses for the material to get an idea of specification and guidance language that could be used in the design manual. Land Quality Section staff are to make a list of possible applications and then ask the Composting Council for documentation/specifications/example language on those applications, as well as for a 15 minute presentation for the June meeting. No motions were made.

Discussion of Alternative Measures for Check Dams and Inlet Protection

Mr. Hauser presented information to address the need to include some alternatives to current specifications for check dams and inlet protection. There are lots of products on the market that are viable alternatives to some of the stone-based measures. Alternatives for check dams include straw wattles and triangular silt dikes. Gutter buddies and bags were mentioned as possible alternatives to inlet protection measures currently in the manual. Mr. Hauser emphasized that he wanted to bring these ideas to the attention of the committee so that they could be put on the list of things to discuss over the next year. These topics could be tackled over the next 9 months, in order to be ready for publication in a revision packet next Spring. Another option raised was that the TAC could ask the Education Committee for funds to have specifications for some of these alternative measures written. No motions were made.

Discussion of Future Research Needs

Mr. Hauser informed the committee that the Land Quality Section anticipated the removal of educational fund restrictions in the upcoming fiscal year budget. This would mean that the Sedimentation Education Committee could begin to fund research again. The committee was asked to begin thinking about possible areas in which research might be warranted. Also discussed were section of the manual which may be revised. It was decided that the draft buffer guidance be reexamined at a future TAC meeting, since the trout buffer moratorium has been lifted. The streambank stabilization section may also need to be updated. Dr. Jennings was asked to send his previous draft to be put in InDesign and reviewed by the committee at a future meeting. No motions were made.

Discussion of Future Rulemaking

As a result of amendments to the Sedimentation Pollution Control Act passed last year, §113A-54.1(e) requires self-monitoring of construction sites, for which the Sedimentation Control Commission may wish to promulgate rules. Two issues might be especially important: (1) Who is qualified to perform inspections (i.e. should a certification be required?) and (2) What is meant by "each phase of the plan?". This matter was brought to the attention of the committee because the

Sedimentation Control Commission may wish to ask the TAC to begin drafting rules for this new requirement. No motions were made.

As a final matter of business, Dr. Rudek asked whether the SCC was going to look at the 1997 Plan of Action at the next meeting. Mr. Hauser affirmed that they would, and agreed to notify the TAC once a scanned copy of the plan of action was available on the website.

Dates for future meetings of the Technical Advisory Committee were set for the following dates:

- June 27, 2007
- July 25, 2007
- August 29, 2007
- September 26, 2007

All meetings will be held at 9:00 am in the Ground Floor Hearing Room of the Archdale Building in Raleigh, NC, except for the June 27, 2007, meeting which will be held at 1:00 pm in the Ground Floor Hearing Room.

Dr. Rudek thanked everyone for his or her participation and efforts. There being no further business, the meeting was adjourned.

Respectfully submitted,

Ashley Rodgers, Sediment Education Specialist