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PROPOSAL

to:

NORTH CAROLINA SEDIMENTATION CONTROL COMMISSION

And

**NC DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES –
LAND QUALITY SECTION**

for the project

Sediments Newsletter

submitted by:

Principal Investigators:

Jean Spooner, Biological & Agricultural Engineering Dept.
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Project Period: September 1, 2011 – May 1, 2012

Scope of Work – Production and Distribution of <i>Sediments</i> Newsletter	
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Introduction	Request funds to continue the publication and distribution of the <i>Sediments</i> newsletter in order to provide information to the regulated community and to facilitate communication among local erosion and sediment control programs.
Background	The Sedimentation Control Commission is charged to educate the regulated and design community, as well as the public, on recommended methods, regulations, current events, and instructional topics regarding erosion and sedimentation control. The <i>Sediments</i> newsletter is one aspect of such education and has been published quarterly since 1994.
Scope of Work	
1. Tasks provided	<ul style="list-style-type: none"> ● Publication and Distribution of <i>Sediments</i> Newsletter. ● A listserv of subscribers will be maintained ● A PDF will be provided to the Land Quality Section (LQS) to post on their web site: <i>http://www.dlr.enr.state.nc.us/pages/sedimentationnewletters.html.</i> ● Until LQS uploads the PDF, the <i>Sediments</i> issues will be available from: <i>http://ncsu.edu/waterquality</i> ● Online subscribers will be notified by email when newsletters are posted on-line. ● Design Revisions of <i>Sediments</i> Newsletter. Revisions to <i>Sediments</i> Newsletters should be minimal. We will utilize the template used by NCSU in the FY08-09 contract. ● Content of <i>Sediments</i> Newsletter. All articles and content will be edited by the NCSU staff and reviewed for approval by the Land Quality Section. Identified experts will assist in authoring technical articles. Authors will be recruited and identified in conjunction with LQS from NCSU, other universities, state and local agencies, non-profit associations, and the private sector. An NCSU staff member (and subject matter expert) will attend the annual meetings of the International Erosion Control Association and report on this conference in <i>Sediments</i>. Travel may also include other workshops or conferences that would also yield relevant newsletter articles. Topic ideas will be solicited from the SCC, Land Quality Section, and NCSU faculty. Subscribers will be able to offer their

	<p>preferences and most critical needs by responding to brief surveys either online or by email. Each newsletter will also feature a summary of the actions taken by the NC Sedimentation Control Commission.</p> <ul style="list-style-type: none"> • Web availability of <i>Sediments</i> Newsletter. An online version of <i>Sediments</i> will be created. This online version will be hosted on the Land Quality Section webpage. All maintenance, updates, and corrections will be done by contractor. The PDF version of the newsletter will be complete with active links. • Subscriber Communication and Recruitment. <i>Sediments</i> online will be distributed through a List Service. <i>Sediments</i> will be actively promoted by email broadcasts to lists other than current subscribers (e.g., WRRRI listservs).
2. Deliverables	<p>Fiscal year 2010-2011</p> <p>Two issues of <i>Sediments</i> will be published during the fiscal year.</p> <p>The two issues will cover:</p> <p>May-October 2010. This issue will include a summary of Sedimentation Control Commission (SCC) actions from the May and August 2010 meetings. This issue will also include a technical lead article(s), news/updates from the Land Quality Section, updates on sediment rules/regulations affecting erosion control (if pertinent), technical reports from professional conferences related to erosion and sediment controls, and calendar items.</p> <p>November 2010-April 2011. This issue will include a summary of Sedimentation Control Commission (SCC) actions from the November 2010 and February 2011 meeting. This issue will also include a lead article featuring the Local Program Awards of Excellent winners, news/updates from the Land Quality Section, updates on sediment rules/regulations affecting erosion control (if pertinent), technical reports from IECA Annual meeting, and calendar items.</p> <p>In addition, a Summary of the Sedimentation Control Commission (SCC) actions from the May and November 2010 meetings will be compiled for review by the LQS and then distributed via the <i>Sediments</i> listserv on the following schedule:</p> <p>July 2010, or after contract begins, if later (May SCC meeting actions)</p>

	<p>December 2010 (November SCC meeting actions)</p> <p>A <i>Sediments</i> listserv for electronic distribution will be maintained on a NCSU listserv.</p>
3. Format	<p>- Two six-page (minimum) issues on the above schedule per fiscal year</p> <p>- Newsletter specifics:</p> <ul style="list-style-type: none"> • Size: 8-1/2" x 11" • Number of pages: 6 • Photos: 2-6 • The newsletter is to be printed from disk output from desktop publishing system (Adobe InDesign for Windows, or an Adobe PDF file). <p>-Link to PDF version of newsletter sent to subscribers of <i>Sediments</i> electronic list</p> <p>-PDF version of newsletter to be stored on Land Quality Section past issues archive</p>
4. Milestones	<p>-Topics for technical articles to be suggested by NCSU to LQS for approval and input six weeks prior to print time</p> <p>- SCC meeting is attended to take notes to prepare a summary of SCC actions for the <i>Sediments</i> newsletter.</p> <p>-Draft newsletter in desktop published format sent to Land Quality Section staff for review</p> <p>-Be available for periodic questions and answers via phone or email</p> <p>-Each completed newsletter should be submitted to DLR-Land Quality Section for approval. The newsletters must be approved before final printing.</p> <p>-Quarterly invoices due for all actual expenses claimed</p> <p>-Final report due with last invoice to summarize the project</p>
5. Environmental/Regulatory Constraints	N/A
6. Contract time period	-The project must be completed between the projected contract dates of September 1, 2011 and May 1, 2012.
Payment Schedule	Bill payment upon submission as approved by contract administrator. Invoices will be submitted quarterly with itemized detail of actual charges for salary and expenses. Only expenses incurred during the inclusive dates of the contract will be invoiced.
Ownership of Equipment	N/A

Project Budget	Salary and Fringe.....\$12,800 Travel.....\$ 2,000 Total Direct.....\$14,800 Indirect Cost (15%)..... \$2,220 Total.....\$17,020 <u>Budget Details</u> Salary and Fringe: Spooner (5%), McLaughlin (1% cost-share), McCaleb (7%), Line (0.5%), Kurth (1%) and Smith (3.5%), including 27% benefits. Travel: Attendance at meetings and conferences Indirect Cost: 15% of Total Direct Cost (NCDENR)
Principal Investigator Contacts	Jean Spooner, Extension Specialist, BAE Dept., NCSU 919-515-8240
DENR Contract Administrator	Ashley Rodgers, ashley.rodgers@ncdenr.gov Land Quality Section (919) 733-4574

Key Personnel

Jean Spooner, Professor, Director, Soil & Water Environmental Technology Center (SWETC), NCSU Water Quality Group, Professor, Water Quality Extension Specialist, Department of Biological and Agricultural Engineering, NC State University. Dr. Spooner is a Soil Scientist and Applied Statistician who has worked with the NCSU Water Quality Group since 1984. She performs statistical analyses to evaluate changes in water quality associated with nonpoint source (NPS) pollution controls, and provides technical assistance to NPS projects on water quality and land treatment monitoring designs and data analysis. Dr. Spooner holds a Ph.D. in Soil Science (minor in Statistics) from North Carolina State University, a M.S. in Soil Science (minor in Statistics) from North Carolina State University, a M.S. in Applied Statistics from Utah State University, and a B.S. in Agronomy from Cornell University.

Catherine Smith, Extension Assistant, Department of Biological and Agricultural Engineering, North Carolina State University. She has expertise in web development, desktop publishing, editing, database management, and conference and workshop/tour coordination. Ms. Smith holds a BA in Communication from N.C. State University.

Richard A. McLaughlin, Ph.D. grew up in Maryland and received his B.S. in Forest Management at Virginia Tech in 1979. He continued his education at Purdue University, studying the fate of nitrogen in the environment. After receiving his Ph.D. in 1985, he spent several years doing postdoctoral research on pesticide fate in the environment, both at Purdue and North Carolina State University. Dr. McLaughlin then worked for a major crop protection company for five years in both environmental fate and analytical chemistry areas. He has is currently a Professor and Extension Specialist in the Soil Science Department. Current projects include the use of polyacrylamide to reduce turbidity and erosion, optimizing sediment control practices, and integrating land management principles and LID.

Daniel E. Line, Water Quality Extension Specialist, Department of Biological and Agricultural Engineering, North Carolina State University. Mr. Line is an Agricultural Engineer with expertise in water quality modeling, cropland erosion and sedimentation research, conservation practices, watershed assessment, geographic information systems (GIS), and water quality monitoring. Mr. Line is a P.E. and holds M.S. and B.S. degrees in Agricultural Engineering from The Pennsylvania State University.

Melanie McCaleb, Extension Associate and Certified Professional in Erosion and Sediment Control (CPESC), Department Soil Science, received her Masters degree in Soil Science in 2007. She has extensive experience in determining BMP effectiveness and construction site monitoring. Her MS degree involved studying sediment basin design effects on sediment retention efficiency.