

56th Annual Meeting of the Soil Science Society of North Carolina

“to increase and disseminate knowledge of soils of the
State and their uses”

Tuesday Morning, January 22, 2013

- 7:30 Room 1CD: Poster and Exhibit Setup
- 8:00 Meeting Registration Opens in Lobby
- 8:00 Room 1CD: Soil Texture Contest
- Conducted by Dr. Dave Lindbo
- 8:00 - 9:00 Room 4
Consulting Soil Scientists of the Carolinas
Annual Meeting
- CSSC President, Presiding

OPENING SESSION:

- 8:30 - 9:40 Room 1CD: Exhibits, Vendors and
Poster Session with Authors Present

DIVISIONAL MEETINGS:

- 9:00 - 9:10 Room 1AB: Bus., Consulting and Industry
Room 4: Governmental Agencies
- 9:15 - 9:25 Room 1AB: Public Health
Room 4: Academic and Research
- 9:30 - 9:40 BREAK - Room 1CD: Exhibits,
Vendors and View Posters
- 9:40 - 11:00 **SOCIETY BUSINESS MEETING**
Room 1AB
- President Jeff Vaughan, Presiding
- 11:00 - 12:00 **KEYNOTE SPEAKER – Room 1AB**
- Noel Lyons, President - McGill Compost
Composting and the Demand for Soil
Organic Matter
- Jeff Vaughan, moderator

- 12:00 Room 2C: **LUNCHEON**

Tuesday Afternoon, January 22, 2013

Session 1: **ONSITE WASTEWATER** **Room 1AB** - Dr. Bob Uebler, moderator

- 1:15 Wake County Rule Changes 10-27-11
- Ed Duke, Wake County REHS
- 1:40 Conjunctive Use-Reclaimed Water
Program in Johnston County
- Jamie Guerrero, Johnston County
- 2:05 Nitrogen Dynamics in Natural Systems
- Tom Ashton, Americam Mfg.
- 2:45 DISCUSSION & BREAK
- 3:15 Medis Filters - Permitting Options
- Steve Barry, AQWA
- 3:40 I&E Product Updates
- Trish Angoli, DHHS-OWPB
- 4:05 Amending & Building Soil Profiles for
Wastewater & Stormwater Systems
- Barrett Kays, Landis, Inc.
- 5:00 SOCIAL HOUR – Room 1CD
- ### Session 2: **AGRONOMY** **Room 4** - Melanie McCaleb, moderator
- 1:15 Sustainable Crop Production in Ecological
Exergetics & Capital Concepts
- Dr. Dennis Osborne, NCSU Soil Sci.
- 1:40 Land Application of Wood & Paper
Residuals & Wastewater
- Karl Shaffer, Shaffer Soil Services, Inc.
- 2:05 Using Basic Agronomic Principles for
Urban Soil Remediation
- Dr. Rich McLaughlin, NCSU Soil Sci.
- 2:45 DISCUSSION & BREAK

Tuesday Afternoon, January 22, 2013

- 3:15 Comparison of Organic & Conventional
Ag. Production in Till & No-Till Systems
- Joshua Edgell, NCSU
- 3:40 Poultry Litter BMP Extension &
SubSurface Application Tech. Evaluation
- Dr. Carl Crozier, NCSU Research
- 4:05 Environmental Use of Polymeric
Flocculent for Stormwater Runoff
- Dr. Jihoon Kang, NCSU
- 5:00 SOCIAL HOUR – Room 1CD

Wednesday Morning, January 23, 2013

- 7:30 CONTINENTAL BREAKFAST
Room 1CD

Session 3: **STORMWATER, SURFACEWATER,** **& GROUNDWATER** **Room 1AB** - Barrett Kays, moderator

- 8:30 Permeable Surface Regulations
- Annette Lucas, NCDENR Stormwater
- 8:55 Permeable Surface & Soil Science
- Ryan Winston, NCSU
- 9:20 Development of Biorenetion Media in NC
- Bill Lord, NCSU Envir. Education
- 10:00 DISCUSSION & BREAK
- 10:30 Wetland Violations
- Jean Gibby, USACE
- 10:55 Transport in Irrigation Water & Loading to
Rice-Field Soils in Bangladsesh
- Matt Polizzotto, NCSU Soil Sci.
- 11:20 Predicting Climate Change Impacts on
Wetland Boundaries in Benchmark Soils
- Dr. Mike Vepraskas, NCSU Soil Sci.

Wednesday Morning, January 23, 2013

Session 4: EMERGING ISSUES

Room 4

- Robin Maycock, moderator

- 8:30 Forensic Soils
- Dr. Dean Hesterberg, NCSU Soil Sci.
- 8:55 Geochemical Analysis of Mica as Trace Evidence in Murder Investigations
- Heather Hanna, NCGS Geologist
- 9:20 Overview of Injection Wells in NC
- Tom Slusser, NCDENR Aquifer Protect.
- 10:00 DISCUSSION & BREAK
- 10:30 Shale Gas: the Promise and the Peril
- Dr. Vikram Rao, Research Triangle Energy Consortium
- 10:55 Assessment of Soil Contaminated by Petroleum Releases
- Karen Harmon, NCDENR UST
- Linda Smith, NCDENR UST
- 11:20 Soil Remediation
- Joe Starr, Solutions IES
- 12:00 Room 2C
ANNUAL AWARDS BANQUET
- President Jeff Vaughan, Presiding
- ❖ Hands of the Master Award
- Dr. Dave Lindbo
 - ❖ Hubert J. Byrd Scholarship
- Caroline Edwards
 - ❖ Annual Achievement Award
 - ❖ Special Recognitions

Wednesday Afternoon, January 23, 2013

CLOSING SESSION

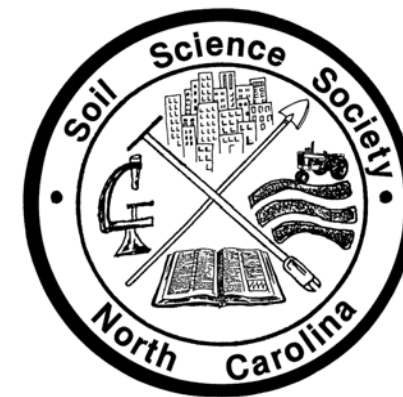
Room 1AB

- Jeff Vaughan, moderator

- 1:15 Local Organic Agriculture: An Example with Applications to Soil Science
- Chris Murray
- 1:40 Strategic Realignment within the CALS
- Dr. Mike Wagger, NCSU Soil Sci.
- 2:05 Smithsonian Soil Exhibit
- Dr. John Havlin, NCSU Soil Sci.
- 2:45 DISCUSSION & BREAK
- 3:00 Methamphetamine Laboratories: Awareness & Response
- Kelly Page, SBI Special Agent
- 4:30 ADJOURN



Soil Science Society OF NORTH CAROLINA



Fifty-Sixth Annual Meeting

January 22–23, 2013

Jane S. McKimmon Center
Raleigh, NC



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