NORTH CAROLINA FORUM ON NUTRIENT OVER-ENRICHMENT
AGENDA
Sheraton Imperial Hotel & Convention Center
Durham, NC
May 29 - 30, 2012

Tuesday, May 29

7:30 am	Registration and Breakfast
8:30 am	Richard B. Whisnant, JD, UNC Institute of Government Forum, Moderator Dee Freeman, Secretary, North Carolina Department of Environment and Natural Resources
8:50 am	**Challenge to the Forum Speakers, Panelists and Audience** Charles Peterson, Ph. D, Vice Chairman Environmental Management Commission Distinguished Professor, UNC Institute of Marine Sciences
9:00am	**EPA's Perspective on Nutrient Management** Ellen Gilinsky, Ph.D., Senior Policy Advisor, EPA Office of Water (HQ)
9:20am	**Successful Development/Application of Nutrient Sediment Enrichment Criteria Driving Chesapeake Bay Restoration – 25 Years of Experience** Rich Batiuk, EPA Chesapeake Bay Program
9:40am	**Nutrient Management in North Carolina: The Path to Here** Richard "Rich" Gannon, NC DENR DWQ
10:00am	**Forum Panel Q&A*** Panelists: Jacqueline A. Jarrell, PE – Environmental Management Div. Superintendent, Charlotte Mecklenburg Utilities Grady McCallie – NC Conservation Network Stephen T. Smith – Chairman, Environmental Management Commission Darryl D. Moss – Mayor, City of Creedmoor, Environmental Management Commission
10:30am	Break
10:45am	**Nutrients and Lakes: Conditions and Issues to Consider When Setting Standards** Ken Wagner, Ph.D., Water Resource Services, Inc.
11:05am	**A Framework for Developing Regional Nutrient Criteria for Wadeable Streams** Ryan King, Ph.D., Baylor University
11:25am	**Controlling Nutrient Over-Enrichment along the Freshwater to Marine Continuum…** Hans W. Paerl, Ph.D., UNC-Chapel Hill
11:45am	**Forum Panel Q&A***
12:15 pm	Lunch with speaker **Satellite and Aircraft Sensors - Mapping and Modeling of Water Quality Parameters and Nutrient Loads Using Remote Sensing** Siamak Khorram, Ph.D. – NCSU & University of California at Berkeley
1:45pm	**Approaches to Nutrient Criteria Development: Principle Approaches and Case Studies** Michael Paul, Ph.D., Tetra Tech, Inc. RTP
2:05pm	**Numeric Nutrient Water Quality Criteria: Reconciling Weight of Evidence with Independent Application** Robert Miltner, Ph.D., Ohio EPA
2:25pm	**Maine's Approach to Integrate Causal and Response Indicators of Eutrophication** Thomas J. Danielson, Ph.D., Maine DEP
2:45pm	**Forum Panel Q&A***
3:15pm	Break
3:30pm	**Florida Numeric Nutrient Criteria: Lessons Learned – Policy and Process** Scott I. McClelland, CDM Smith Florida
4:00pm	**Florida Numeric Nutrient Criteria: Lessons Learned - Technical Issues** Douglas J. Durbin, Ph.D., Cardno Entrix Florida
4:30pm	**Forum Panel Q&A***
5:00pm	***Reception – with heavy hors d'oeuvres and cash bar***

** Questions from the audience should be written on the index cards that have been provided and sent to the wall end of the row during the presentations.*

NORTH CAROLINA FORUM ON NUTRIENT OVER-ENRICHMENT
AGENDA

Wednesday, May 30

8:00am	**Registration and Continental breakfast**
9:00am	**Accounting for Agricultural Progress at the Watershed Scale** Deanna Osmond, Ph.D., NCSU
9:20am	**Aquifer Hydraulics and the Multi-Decade Legacy of Non-Point Source Pollution** David P. Genereux, Ph.D., WRRI, NCSU
9:40am	**Stormwater Retrofitting in Urban Areas: Getting the Most Bang for Your Buck** Kathy DeBusk, PE, NCSU
10:00am	**Forum Panel Q&A***
10:30am	Break
10:45am	**Nutrient Regulation for Rivers and Lakes: Getting it Right Post USEPA Science Advisory Board Review** John Hall, J.D., Ph.D., Hall & Associates
11:05am	**Drinking Water Sources – Taste & Odor Plus??** Michael E. Richardson, Cape Fear Public Utility Authority
11:25am	**Sustainability and Ancillary Environmental Benefits of Nutrient Control Practices** Clifton F. Bell, PE, PG, Brown & Caldwell
11:45am	**Forum Panel Q&A***
12:15pm	Lunch with speaker **An Approach to Nutrient Removal Based on Practical Technologies, Their Reliability, and Economics** S. Joh Kang, Ph.D., PE, Tetra Tech Inc.
1:45pm	**Assessing Costs and Benefits Related to Implementing Nutrient Criteria to Improve and Maintain Water Quality** Mary Jo Kealy, Ph.D., CH2MHILL Delaware
2:05pm	**Who Cares if the Water isn't Fishable, Swimmable or Drinkable? The Consequences of Inaction** Bill Holman, Ph.D., Duke University
2:25pm	**Nutrient Control Funding Options for Local Governments** Jeffery Hughes, UNC-Chapel Hill
2:45pm	**Forum Panel Q&A***
3:15pm	Panel Summary --Panel Members provide their conclusions and path forward suggestions
3:45pm	Adjourn

Refreshments will be served at all breaks

** Questions from the audience should be written on the index cards that have been provided and sent to the wall end of the row during the presentations.*