

Nutrient Criteria Development Plan Criteria Implementation Committee Members

1. Anne Coan

Director of Environmental Affairs
North Carolina Farm Bureau Federation
<http://ncfb.org/>

Ms. Coan brings expertise on the social and economic impacts of nutrient strategies on the agricultural community. She focuses on the relationship between agriculture and water quality, including NPDES and non-discharge permit issues, animal waste and animal feeding operations, nutrient trading and management strategies, and evaluating governmental environmental policies for implementation implications.

2. Douglas Durbin

Brown and Caldwell
<https://www.browncaldwell.com/>

Dr. Durbin's technical focus is surface water resources, including aquatic ecology and water quality in stream, lake, wetland and estuarine systems. He has direct experience with numeric nutrient criteria development, rulemaking and implementation through five years of service on the Florida Department of Environmental Protection's Numeric Nutrient Criteria Technical Advisory Committee.

3. John Fear

Deputy Director
North Carolina Water Resources Research Institute
<https://wrri.ncsu.edu/contact-us/staff/john-fear/>
and
North Carolina Sea Grant
<https://ncseagrant.ncsu.edu/about-us/our-team/john-fear/>

Dr. Fear's educational background includes environmental science, engineering, biology and chemistry. He is working to increase the communication of scientific research to stakeholders, lawmakers and environmental resource managers in freshwater and coastal systems.

4. Bill Kreutzberger

Vice President and Fellow Water Resources Specialist (retired, now contract basis)
CH2M (now Jacobs Engineering)
<http://www.jacobs.com/>

Mr. Kreutzberger has been involved in water quality management projects internationally and in the eastern United States. His areas of expertise in relation to nutrient management include wastewater discharge and reuse strategies, water treatment technologies, and urban and agricultural nonpoint source controls.

5. T.J. Lynch

Assistant Public Utilities Director
City of Raleigh Public Utilities Department

<http://www.raleighnc.gov/services/content/PubUtilAdmin/Contacts/TJLynch.html>

Mr. Lynch has extensive experience in wastewater treatment and utilities management, including sewer collection systems, wastewater treatment plant operations and technologies, water reuse and distribution, spray irrigation and land application of biosolids.

6. Andy McDaniel

Transportation Engineer
North Carolina Department of Transportation

<https://www.ncdot.gov/initiatives-policies/environmental/stormwater/Pages/default.aspx>
<https://apps.ncdot.gov/dot/directory/authenticated/UnitPage.aspx?id=677>

Mr. McDaniel is a professional engineer with the NCDOT Hydraulics Unit. He has a wide range of experience in testing and evaluating the performance of stormwater runoff best management practices (BMPs), including retrofits, and erosion control techniques.

7. Peter Raabe

Conservation Director, Rivers of Southern Appalachia & the Carolinas
American Rivers

<https://www.americanrivers.org/about/staff/peter-raabe/>

Mr. Raabe focuses on state level policy in the areas of water quality and quantity and restoring natural function to rivers.

8. Carla Seiwert

US Environmental Protection Agency, Region 4

Ms. Seiwert works in the NPDES permitting section and is responsible for reviewing municipal permits (among others) with an emphasis on how well the permittee is controlling nutrients. She has experience working with POTWs and the practices they can implement to reduce nutrients.

9. Douglas Wakeman

Professor of Economics, School of Business (retired)
Meredith College

<https://apnep.nc.gov/about-apnep/committees/science-and-technical-advisory-committee/doug-wakeman>

Dr. Wakeman's areas of expertise include environmental and resource economics, sustainability, industrial organization and anti-trust and regulated markets. He also serves as the Senior Policy Analyst for Apalachicola Riverkeeper in Florida and as a member of the APNEP Science and Technical Advisory Committee.