Wastewater Regulatory Trends & Emerging Technologies Seminar

**When:** Tuesday, August 21, 2018
8 a.m. - 5 p.m.

**Where:** Central Piedmont Community College - Merancas Campus
11930 Verhoeff Dr
Belk Center for Justice (CJ) – Room 131
Huntersville, North Carolina 28078

**Continuing Education**
- Wastewater Operators: This course is approved by the NC WPCSOCC for 6.0 contact hours.
  Course ID: CE01041701
- Professional Engineers: This seminar is approved for 6.0 PDH's.
- Maintenance Technologists: This seminar is approved for 6.0 contact hours for continuing education

**Online registration is available until:** 8/10/2018

Registration Open for the Annual Conference

Online registration is now open for the 98th Annual Conference taking place in November at the Raleigh Convention Center. Early bird registration will run now through September 9th, if you register before then you will receive an "early bird" discounted rate on registration.

[Click here for online registration](https://www.ncsafewater.org/admin/email/get_custom_template.asp?guid=63BFD2E3-A4D1-413A-8C81-7E62C04F113D)

Summer 2018 Plant Spotlight: T.Z. Osborne Water Reclamation Facility

Located in the central portion of the state, the City of Greensboro, formerly Greensborough, was named for Major General Nathaniel Greene, commander of the American forces at the Battle of Guilford Courthouse in 1781. It is the largest city in Guilford County and the surrounding Piedmont Triad metropolitan region, with a current population of approximately 277,000. In
addition to the manufacture of textiles and tobacco products, Greensboro is a major regional freight rail hub.

Member Portrait
Carlos W. Norris: Building a Career

When Carlos W. Norris helped launch The Crowder Construction Company Scholarship as part of the NC Safewater Endowment Fund in 2010, it was a natural extension of his values and convictions about career building. “You have to be consistent,” says Norris. "You have to find your passion, learn what you love to do and what you're good at."

It is a credo that has guided his own career in the construction industry, from his days on a right-of-way survey crew to his current position as the chief operating officer of Crowder Constructors Inc."I really didn't know what I was learning back then," he explains, "but I do now." What he was learning then has been the foundation of a career in the construction industry that now spans more than 40 years.

Member Portrait
Michael Dean: A Commitment to Safety and the Environment

"In all my years of doing this, I have not met one person who is fond of fire ants," says Micaheal Dean, Utility Inspector for Durham County. Along with encountering snakes, dodging people who are texting and driving, and using improper equipment, stepping on a hill of fire ants is one of the many occupational hazards he documents while touring the new construction sites connected to the County system.

Safety has dramatically increased since Dean assumed the position in 1994, with measures such as masks to protect workers from particulate matter caused by digging and by sawing PVC or ductile iron pipe. Clothing has also improved, with reflective vests now a standard on roadways."Safety has probably improved by 100%," Dean confirms, adding that this is a critical aspect of work on construction sites.

AWWA and WEF News

Water Environment Research Open Access Article Describes Research on Mainstream Nitritation-Anammox Processes

The open access article in the July 2018 issue of Water Environment Research (WER) discusses the progress in research on mainstream nitritation-anammox processes as well as possibilities of future development.

"In their review of mainstream nitritation/anammox wastewater treatment, Li et al. discuss the current status and major challenges facing this novel treatment strategy;"
WER Editor-in-Chief Tim Ellis said. "In an effort to become more energy efficient through the reduction of aeration requirements, nitritation/anammox offers significant promise as well as substantial obstacles. The authors conclude that an effective A-stage COD pretreatment process is needed to have a suitable and stable pretreated wastewater, in addition to an effective strategy to retain ammonia-oxidizing and anammox bacteria and repress nitrite-oxidizing bacteria and denitrifiers."

Click here to download "Status, Challenges, and Perspectives of Mainstream Nitritation-Anammox for Wastewater Treatment" by Xiaojin Li; Stephanie Klause; Charles Bott; and Zhen He.

What's Coming Up

**Western Biological Wastewater Operators School**

August 13-17, 2018 in Morganton, NC

**Western Maintenance Technologist School**

August 13-16, 2018 in Morganton, NC

**Wastewater Regulatory Trends and Emerging Technologies Seminar**

August 21, 2018 in Charlotte, NC

**G.R.O.W. Event**

September 11, 2018 in Charlotte area

**Central Collections & Distributions School**

October 1-5, 2018 in Greensboro, NC

**WW Lab Analyst Exam**

October 16, 2018 in Wilson, NC

**2018 Raleigh Model Water Tower Contest**

October 27, 2018 in Raleigh, NC

**98th Annual Conference**

November 4-7, 2018 in Raleigh, NC

CAREER CENTER

View current list and details [here](#)

- South Granville Water & Sewer Authority (4)
- Orange Water and Sewer Authority (2)
- City of Raleigh
- STV
- Town of Boiling Springs

- City of Wilson
- City of Hendersonville/ Water & Sewer
- Cape Fear Public Utility Authority
- North Carolina Rural Water Association
- CriTek Engineering Group, P.C.

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