



# NCSWEOA

## 2017 Fall Conference Program Summary



**Wednesday, October 25, 2017**

1:15-2:00	<b>Urban Stormwater and Rural Waterways</b> <b>Dr. Michael A. Mallin, Research Professor, Center for Marine Science, University of North Carolina Wilmington</b> This presentation will provide an overview of the major pollutants that are carried by stormwater runoff into downstream waters, and what situations are most vulnerable to increased runoff. Also, learn about the public and private initiatives aimed at reducing or treating stormwater runoff in New Hanover County and the results achieved to date.
2:00-3:00	<b>NC Riverkeepers: Improving Water Quality Through Education, Advocacy, Litter Prevention and Clean-up Efforts</b> <b>Kemp Burdette, MPA, Cape Fear Riverkeeper, Cape Fear River Watch</b> As the Riverkeeper for the Lower Cape Fear River, Kemp Burdette will give you his unique perspective on improving water quality through public outreach, advocacy and litter prevention programs. He will also present information about tools and assistance he can make available to assist with local government clean-up efforts.
3:15-4:00	<b>Casting a Wider Net to Reduce the Impacts of Plastic Marine Debris on and Offshore</b> <b>Bonnie Monteleone, Executive Director, The Plastics Ocean Project</b> Along with a brief overview of her research through UNCW on plastic marine debris, Ms. Monteleone will provide some positive "gyration" on one of the top 10 major ocean environmental concerns. A review of two current initiatives involving plastic waste reduction in restaurants and working with fishing communities to "fish" plastics out of the ocean will also be presented.
4:00-5:00	<b>Factors Affecting Inflow and Infiltration (I&amp;I) in Coastal NC Sewer Systems</b> <b>Lawrence B. Cahoon, Professor, Biology, University of North Carolina Wilmington</b> Dr. Cahoon will present the findings he derived from a 2-year research project involving the effects of rainfall, temperature and sea level on flows through 93 municipal wastewater treatment plants in 23 eastern North Carolina counties.

**Thursday, October 26, 2017**

8:10-9:30	<b>SBI Case File: Environmental Prosecution in Mecklenburg County</b> <b>Dewey Galloway, Special Agent, NC SBI; Aaron Caudle, Environmental Enforcement Officer, Mecklenburg County</b> This session will impart a comprehensive study of an illegal dumping case with which the county requested SBI assistance. A history of the case, including surveillance, identification of suspects, documentation, working with the district attorney, arrests, prosecution and site clean-up will be presented.
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9:30-10:30	<p><b>Drones: Applications for Field Investigations</b>  <b>Matt Mulhern, Go Unmanned, Inc.</b></p> <p>Unmanned aerial vehicles, or drones, have advanced dramatically in their capabilities, suggesting a wide range of practical uses. Matt will provide us with an overview of the technology and its applications, as well as a live demonstration of a drone system.</p>
10:45 am- 12:00 pm	<p><b>Hazardous Waste in the Field: Keeping It Safe 'Til the Cavalry Arrives!</b>  <b>Michele Sakwa, President, Resource Recovery &amp; Recycling Company, LLC</b></p> <p>When we arrive at a complaint site and discover potentially hazardous materials or an uncontrolled release, we must be well-prepared to insure the health and safety of the public and the environment until the "calvalry" comes to remediate the situation. This presentation will provide an understanding of potential hazards, preparedness, and simple tools to use in working through this type of scenario.</p>
12:45-1:30	<p><b>Luncheon Keynote Address: The State of DEQ</b>  <b>Michael Scott, Director, Division of Waste Management, NCDEQ</b></p> <p>Join us for an informative overview of the Division of Waste Management and the Department of Environmental Quality in light of the change in gubernatorial administrations. In addition, Michael will recap the legislative session, including bills that passed and initiatives that were left on the table.</p>
1:30-2:30	<p><b>Environmental Forensics: High Tech Equipment for Effective Field Investigations</b>  <b>Brian Polk, Safety Officer, Division of Waste Management, NCDEQ</b></p> <p>Environmental forensics is the use of scientific tests and techniques to determine sources and extent of environmental contamination. In this session, specific non-destruction testing equipment, sampling methodology, and case studies will provide participants with general recommendations for the application of environmental forensics.</p>
2:30-3:30	<p><b>New Developments in Electronics Recycling</b>  <b>Megan Tabb, Synergy Electronics Recycling, Inc.</b></p> <p>This session will focus on new technology for processing electronics and new outlets for recyclable components recovered from electronics. An overview of how the electronics recycling industry is adapting to changes in the material stream will be presented, along with a positive outlook for the future of your electronics recycling program.</p>
3:45-4:45	<p><b>Meth Labs: The Latest Methods and Hazards</b>  <b>Detective Jerry L. Hacker, Reidsville Police Department, DEA Task Force Officer</b></p> <p>Detective Hacker will discuss the methods offenders are currently using to manufacture methamphetamine along with some of the products being used. Participants will be provided with warning signs to watch for during field work that may indicate the presence of a meth lab, an understanding of the dangers that could be involved, and what to do if you come into contact with a suspected meth lab site.</p>
4:45-5:00	<p><b>2017 Stilwell Award: NCSWEOA Enforcement Officer of the Year</b></p> <p>One NCSWEOA member will be recognized for making a difference in his or her community through specific accomplishments, innovative approaches to enforcement, involvement in organizations, community interaction and assistance to other agencies or entities.</p>

**Friday, October 27, 2017**

**Dog Fighting Cases: What to Look for and What to Do When You Find It**

**Banumathi Rangarajan, Senior Litigation Counsel, US Attorney's Office, Eastern District of North Carolina**

8:15-9:45

This presentation will provide an overview of the applicable federal animal cruelty statute, investigation techniques, and prosecution challenges. Because dog fighting operations are becoming more prevalent in North Carolina, encountering them during regular field work is a distinct possibility. Ms. Rangarajan will point out notable features of dog fighting sites and what to do if you stumble upon one.

**Panel Discussion: Roadside Litter & Secure Load Enforcement**

**Sgt. Michael Baker, State Highway Patrol; Officer Duane McGuire, Environmental Enforcement, Harnett County Sheriff's Department; Tony Miller, Environmental Enforcement Officer, Robeson County.**

10:00-11:30

This session will focus on enforcement practices and programs relating to improper disposal and load securement. Sgt. Michael Baker, SHP, will provide information on the state's efforts to reduce the environmental and safety issues resulting from intentional and unintentional illegal dumping. The local government perspective will be explained by our 2016 Stilwell Award winner, Duane McGuire, and another long-time NCSWEOA member, Tony Miller. The presentation is intended to be interactive, so be prepared to pose questions and present your own problems and successes.

**NCSWEOA Annual Business Meeting & Election of Officers**

11:30-12:00

Participate in the annual business meeting, elect NCSWEOA officers for the coming calendar year, vote on proposed changes to the bylaws AND see if you're a winner of door prizes and raffles!