

EMERGED: Contaminants of Environmental Concern in Delaware Waterways

Monday, March 13, 2017 8:00 AM-3:00 PM

Delaware Technical Community College, Terry Campus, Conference Center, Education and Technology Building 727

- 8:00-8:30 Registration and Continental Breakfast
- 8:30-8:45 **Welcome**
Emily Seldomridge, CIB and Secretary David Small, DNREC
- 8:45-9:45 **Emerging Contaminants: What's in your water, sediment, biota....and food wrappers?**
Pat Phillips, USGS
- 9:45-10:00 Break
- 10:00-11:00 **Monitoring, environmental thresholds, and regulation of contaminants**
A Decade of Monitoring Emerging Contaminants in the Delaware River
Ron MacGillivray, Delaware River Basin Commission
- Emerging Contaminants in the Environment: Linking thresholds to trophic consequences
Kelly Smalling, USGS
- Using data to protect public health
Keith Harrison, Office of Drinking Water
- 11:00-11:40 **Treatment technologies and practices to reduce environmental impacts**
Removal of Contaminants by Nonpoint Best Management Practices and Wastewater Treatment Systems
Tom Schueler, Chesapeake Stormwater Network
- 11:40-12:00 **Speed Talks**
Lane Johnston, MS Candidate at UD
Hui Li, PhD Student at UD
- 12:00-1:00 Poster Session and Lunch
- 1:00-2:30 **Local emerging contaminant research projects**
Effects of contaminants on horseshoe crabs in the Inland Bays
Danielle Dixon
- Is the future plastics? Microplastics in Delaware Bay
Jonathan Cohen, University of Delaware
- The Ins and Outs of Estuarine Acidification: Proton (H⁺) Fluxes in the Murderkill Estuary (DE)
William Ullman, University of Delaware
- Exposure to Legacy and Emerging Contaminants of Ospreys Nesting in Delaware Bay and River
Barnett Rattner and Thomas Bean, USGS
- 2:30-2:45 **Closing remarks, group discussion and feedback** – Scott Andres, DGS and Rick Greene, DNREC
- 2:45-3:00 Wrap up, raffle winner, student awards, and evaluations