

Illinois Environmental Health Association  
South Chapter  
Annual Educational Conference



September 13-14, 2021  
The Pavilion  
1602 Sioux Drive  
Marion, IL 62959

IEHA's South Chapter Educational Conference is a great opportunity to not only stay current with the latest trends in Environmental Health, but also to earn CEU's and network with peers and professionals from state and local departments and industry.

Register Now!



Illinois Environmental Health Association Mission Statement

The Illinois Environmental Health Association will work to advance the Environmental Health Profession and promote sound environmental health practices throughout the State of Illinois.

Continuing Education

Attendance at this conference fulfills the continuing education requirements for the following purposes:

- Sanitarian training required by IDPH in the Standards for Local Health Departments
  - Typically meets the CEU requirements for the NEHA REHS
- Continuing Education required for State of Illinois Licensed Environmental Health Practitioner (LEHP)



## 2021 South Chapter Annual Educational Conference

# Registration Form

\*Please use a separate form for each registrant\*



Name: \_\_\_\_\_

Company/Agency: \_\_\_\_\_

Address: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Fax Number: \_\_\_\_\_

Email: \_\_\_\_\_

LEHP # \_\_\_\_\_  Do Not Have LEHP

### Registration Fee

IEHA Member Rate		Non-Member Rate*	
Full Conference	\$95 <input type="checkbox"/>	Full Conference	\$150 <input type="checkbox"/>
September 13 Only	\$70 <input type="checkbox"/>	September 13 Only	\$125 <input type="checkbox"/>
September 14 Only	\$70 <input type="checkbox"/>	September 14 Only	\$125 <input type="checkbox"/>
Student			\$15 <input type="checkbox"/>

\*Non-member rate includes 2021 IEHA Active Membership.  
Contact the IEHA Office to verify membership. Add \$10 for Walk-in Registration.

Make Checks Payable to "IEHA" **Amount enclosed:** \$ \_\_\_\_\_  Receipt Is Needed

Please complete this form and mail it along with a check for the registration fee to:

**Illinois Environmental Health Association**  
**ATTN: 2021 South Chapter AEC**  
**P.O. Box 7505**  
**Rockford, IL 61126**

**Questions?** Call the IEHA Office at (815) 977-5884; Fax (866) 760-6873; Email: [iehaoffice@gmail.com](mailto:iehaoffice@gmail.com)  
Register and pay online with a credit card at <http://www.iehaonline.org>

#### For Office Use Only

Amount Enclosed: \_\_\_\_\_ Check Number: \_\_\_\_\_

Notes:

## Conference Agenda

### Day 1 – Monday September 13, 2021

8:00 – 8:45 am	<b>Registration</b>	
8:45 – 9:00 am	<b>Welcome and Announcements</b> <i>David Banaszynski, Past-President.</i>	
9:00 – 11:00 am	<b>NEHA updates along with IAQ and schools, HVAC and COVID, EHS in Jamaica</b> <i>D. Gary Brown - Dr. PH, CIH, RS, DAAS - NEHA 1st Vice President</i>	2.0 CE F
11:00 – 12:00 pm	<b>Lead in Homes with Domestic Wells</b> <i>Walt Kelly - Illinois State Water Survey</i>	1.0 CE W
12:00 – 1:00 pm	Lunch on your own	
1:00-2:00 pm	<b>Central United States Earthquake Consortium</b> <i>Brian Blake - CUSEC</i>	1.0 CE
2:00 – 3:00 pm	<b>Soils and Septics</b> <i>Douglas B. Gaines, CPSS/SC</i>	1.0 CE WW
3:00 – 4:00 pm	<b>FDA's New Retail Flexible Funding Model</b> <i>Carolyn White - FDA</i>	1.0 CE F
<b>Total:</b>		6.0 CEs

### Day 2 – Tuesday September 14, 2021

8:30 - 9:00 am	<b>Registration</b>	
9:00 – 10:00 pm	<b>Food Safety and Public Health Industry Update</b> <i>Mandy Sedlak - Ecolab</i>	1.0 CE F
10:00 – 11:00 am	<b>AOP &amp; UV: The Facts &amp; Figures behind Health-Conscious Water Care</b> <i>Tom Schaefer – Clear Comfort</i>	1.0 CE W
11:00 - Noon	<b>Sanitation for Food Safety, Using Sanitizer Test Strips</b> <i>Melissa Vaccaro – Paster Testing</i>	1.0 CE F
12:00 – 1:00 pm	Lunch on your own	
1:00 – 2:00 pm	<b>Onsite Soil Investigations for Septics, a Real Life Example</b> <i>Dr. Samuel Indorante of SIU-Carbondale</i>	1.0 CE WW
2:00 – 3:00 pm	<b>Ethical Challenges for the Environmental Professional</b> <i>Chris Abel – August Mack Environmental</i>	1.0 CE
3:00 – 4:00 pm	<b>IDPH Program Updates</b> <i>Chad Moorman - IDPH</i>	1.0 CE WW
<b>Total:</b>		6.0 CEs

## Speaker Bios

**Walt Kelly** is a groundwater geochemist who has been at the Illinois State Water Survey, Prairie Research Institute, University of Illinois, since 1992. He has been the Head of the Groundwater Science Section since 2013. He is an adjunct professor in the Department of Geology and Geography at Illinois State University. He has a M.S. in geological sciences from Case Western Reserve University and a Ph.D. in Environmental Sciences from the University of Virginia. His research interests are primarily related to groundwater quality, and he is an author on more than 100 reports and peer-reviewed papers.

**Melissa Vaccaro** has a Master of Science degree in Biology and Bachelor of Science in Education in Biology and Environmental Education, both from Shippensburg University in Pennsylvania. Melissa is the Vice President of Consulting for Paster Training, Inc. PTI works with top food and alcohol retailers, manufacturers, processors, and operations. As a core member of the PTI management team, Melissa leads, develops, and oversees the Consulting Division throughout the US; as well as, provides numerous public health related presentations, certification trainings and webinars. She and her team assist industry in the planning, development and facilitation of retail and manufacturing regulatory programs; such as, development of HACCP Plans for Specialized Processes, Process Reviews, FSMA Compliant Food Safety Plans, Food Defense Plans, Foreign Supplier Verification Programs, Intentional Adulteration, and Expert Witness Testimony.

Before joining the PTI Team, Melissa was with the Pennsylvania Department of Agriculture Bureau of Food Safety and Laboratory Services for nearly 25 years during which she had dedicated her career to the service of safe food and the prevention of foodborne illness. Melissa served as a Food Sanitarian and then as a Food Sanitation Program Specialist for the Department during her tenure working in both the manufacturing and retail industries.

Melissa is a Certified Professional in Food Safety (CP-FS), a Certified Professional in Food Management Professional (CPFM) and a Lead Trainer for the FSPCA courses: Preventive Controls for Human Food, Foreign Supplier Verification Program and Intentional Adulteration IAVA. She is an FDA Certified Retail Food Sanitation Officer, a PA Department Health Certified Health Officer, holds Advanced HACCP Certification, Prometric and ServSafe™ Trainer/Proctor Certification, and has TIPS and RAMP certification. Melissa is the co-author of the SURE™ HACCP book series and SURE™ Food Safety book series.

For 10 years, Melissa was an author for the Association of Nutrition and Foodservice Professionals EDGE Magazines Food Protection Connection. She is active in several industry and government organizations, including the Central Atlantic States Association of Food and Drug Officials (CASA), The Association of Food and Drug Officials (AFDO), International Association for Food Protection (IAFP) and National Environmental Health Association (NEHA). Melissa is the recipient of the 2015 CASA Award for outstanding service.

**Mandy Sedlak** provides technical and practical expertise in brand protection and is responsible for supporting customers compliance, establishing and maintaining standards and driving QA progress through systems, solutions and interventions in operations, health department compliance, and foodborne illness response. She also provides education and recommendations to help customers adopt best practices and mitigate risks in their day-to-day operations.

Mandy has 20+ years of experience in Food Safety, QA and procurement management with leading foodservice brands. She is also a member of the Ecolab Food Safety and Public Health Leadership team and multiple organizations including the Association of Food and Drug Officials (AFDO) and Conference for Food Protection (CFP).

**Samuel Indorante** is a Certified Professional Soil Scientist (CPSS) and Certified Professional Soil Classifier with over 45 years of soil science experience. He retired from the USDA-Natural Resources Conservation Service in 2015, and is now an Instructor and Adjunct Professor in the Crops, Soils, and Environmental Management Department of Southern Illinois University in Carbondale. He has a B.S. from Iowa State University, an M.S. from the University of Illinois, and a Ph.D. from the University of Missouri. His area of expertise is soil survey, which includes the mapping of soils and the interpretation of soils information for various land uses, including onsite soil evaluations to determine loading rates for septic tank installations.

**Doug Gaines** is a Certified Professional Soil Scientist and Soil Classifier with the Illinois Soil Classifiers Association. He grew up on a farm in Southern Illinois. He received a Bachelors in Ag Science (Agronomy) from the University of Illinois (1983). Doug worked with Cooperative Soil Survey in Illinois and Missouri as a Soil Scientist from 1983 - 1990. He also worked for a geotechnical engineer as a Field Technician, Staff Scientist, and then as a Project Scientist from 1990 - 1994. Doug has owned his own consulting firm specializing in Soil Site Evaluations for septic systems and wetlands studies for 27 years. He has served as President twice for the Illinois Soil Classifiers Association as well as other committee roles. Doug holds professional certifications from the Soil Science Society of America, Illinois Soil Classifiers Association, and is licensed by the State of Missouri.

**Christopher Abel**, CHMM, Senior Environmental Chemist, Master of Science, Colorado School of Mines, Environmental Science and Engineering 1997, Bachelor of Science, Butler University, Chemistry and Environmental Studies 1991

Over thirty years of experience in environmental engineering, chemistry and project management. Mr. Abel is familiar with various environmental regulations including Resource Conservation and Recovery Act (RCRA), Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Leaking Underground Storage Tank (LUST), and United States Environmental Protection Agency (USEPA) Contract Laboratory Protocol. Familiar with various state regulatory programs including Indiana, Illinois, Ohio, Michigan and Kentucky

Testified as an expert witness in several litigation matters. Testified via expert reports, interrogatories, affidavits, depositions and courtroom testimony regarding allocation of costs for environmental investigation and remediation, the timing and sources of environmental releases, reasonableness of response costs, contaminant migration routes and pathways, and various other expert analyses.

Performed/Managed hundreds of residential, commercial, and industrial site assessments, site investigations, and remediation projects involving heavy metals, polychlorinated biphenyls (PCBs), petroleum and chlorinated solvents. Delineating the nature and extent of impacts, developed risk-based cleanup criteria and designed and implemented corrective actions. Performed a wide range of engineering and project management related work on hazardous and non-hazardous sites including retail chemical manufacturing plant, natural gas collection and compression stations, and a former nuclear weapons manufacturing site.

Assessed hundreds of sites undergoing acquisition, divestiture or refinancing including contaminated areas, wetlands, solvents, PCBs, lead based paint, USTs, hazardous waste areas, radon, archeological/historical sites, wastewater discharges, air emissions, and cultural resources.

Designed, managed and implemented remediation and decontamination programs for numerous contaminated sites. Remediation technologies employed include electric resistance heating, soil vapor extraction, landfill and surface impoundment stabilization and capping, groundwater pumping and treatment, air sparge, in-situ chemical oxidation, in-situ chemical reduction, in-situ biological degradation, excavation and disposal, carbon treatment, and vapor intrusion mitigation.

### **Tom Schaefer – Clear Comfort**

#### **AOP & UV: The Facts & Figures behind Health-Conscious Water Care**

In response to the world's health-conscious shift, aquatic facilities are taking a new approach to water care with secondary and supplemental treatment. While real-world validation has been lacking, aquatic facilities have newfound field data resources. This session will highlight independent case studies comparing the operational outcomes of Advanced Oxidation Process (AOP) and UV water disinfection deployments. In addition to understanding the challenges and opportunities of these new technologies, attendees identify the risk-reducing motivations that are driving aquatic facilities to deploy them. Drawing from examples, the session will also address the technologies' operational considerations, risk vs. reward, and development of regulatory and code compliances for aquatic facilities.

#### **Learning Objectives:**

- Apply takeaways from real-life case studies on the performance of AOP and UV supplemental water treatment technologies to improve water and air quality to meet the increased expectations of health and safety.
- Identify how AOP and UV technologies impacted real aquatic facilities' day-to-day operations, chemical, and energy use, and overall bottom-line.
- Compare and contrast AOP and UV systems from a functional technology perspective.
- Understand the cost-comparison results for purchasing, installing, operating, and maintaining AOP and UV systems in the independent field deployment studies.