

November 2014



# Philadelphia Section AIHA Newsletter



## November 2014 Cross-Over PDC: “The Water Meeting”



The Philadelphia Section AIHA’s November 13th meeting will be a full-day environmental cross-over event, dealing with water. Throughout history, and in the modern day, there has been a continued need for clean water and for protecting the water supply.

The day will begin with a walking tour of the historical Fairmont Water Works (a.k.a. the Philadelphia Water Works). The Water Works was established in 1812, following a series of yellow fever epidemics, to provide a clean source of water for the growing city of Philadelphia. Following the tour, there will be four presentations, on NPDES permitting and emergency spill response; a regulatory update on the Clean Water Act from the US EPA; a talk on the Yellow Fever epidemic of the 18th century, and how the medical world responded, and the politics and similarities to present day crises; and a presentation on storm water management and best practice implementation.



# Philadelphia Section AIHA

November 2014 Full Day Cross-Over PDC

## *"The Water Meeting"*

Thursday, November 13th, 2014

Philadelphia (Fairmount) Water Works Restaurant and Museum

640 Water Works Drive Philadelphia, PA

### Agenda

- 8:30 AM: Registration/Networking/Coffee (At PWW Museum)
- 9:00 AM: Museum Tour (Intro and history of the Water Works; facility tour)
- 10:00 AM: Break/Networking (relocate to the PWW Restaurant)
- 10:30 AM: Industrial Water Discharge and Emergency Response:  
Joe Cerrone (Philadelphia Water Dep't.)
- 11:15 AM: Clean Water Act Regulatory Update: Jeffrey Lapp (US EPA)
- 12:00 PM: Lunch
- 12:45 PM: Keynote: Yellow Fever Epidemic of the 18th Century and Similarities to Present Day Crises: Dr. Robert Hicks (College of Physicians/Mütter Museum)
- 1:30 PM: Break/Networking Opportunity
- 1:45 PM: Stormwater Best Management Practices – From Regulation to Implementation: Thomas J. Patterson and Tiffany Springman (Roux Associates)
- 3:00 PM: Meeting Adjournment

Cost: Philadelphia Section Members\*: **\$ 65**  
Non-Members: **\$ 85**

\*- to take advantage of the discounted member rate, you must be a current dues-paying member of the Local Section at the time of registration.

Payment **MUST** be made at the door on the day of the event. No advance payments will be accepted. Payment must be made via cash or check **ONLY** (no credit cards or PO's will be accepted, and we cannot invoice for the meeting fee).

**See p. 3 for additional information and registration instruction**

**Pre-registration for this meeting is required. Pre-registration will close, without notice, when all seats have been filled. We will NOT be able to accommodate walk-in attendees on the day of the meeting.**

To pre-register, please send an email with your name and company affiliation to [register@philaaaha.com](mailto:register@philaaaha.com) before 5 PM on Tuesday, November 4th

If you are registering for someone else, or are registering a group of attendees, please provide email addresses for all attendees.

ABIH CM Points: This event may be eligible for ABIH CM credit. Please see the ABIH web site ([www.abih.org](http://www.abih.org)) for CM credit criteria.

## **Philadelphia (Fairmount) Water Works Restaurant and Museum**

640 Water Works Drive Philadelphia, PA

For directions, please [click here](#), choose “Plan Your Visit” from the top menu bar, and scroll down to “Map & Directions”

### **Parking**

Valet parking (\$5) will be available, starting at 8:30 AM, at the Water Works Restaurant and Museum. Use of the valet parking is recommended, due to limited parking in the Water Works/Art Museum area.

### **AIHA Ethics Webinar**

Monday, October 26th is the last day to sign up to participate in the Philadelphia Section AIHA’s offering of the 2014 AIHA ethics webinar, “*Ethics for the Safety and Health Professional: Approaches and Case Studies*”. This webinar is being made available ONLY to the members of the Philadelphia Section, and those on its mailing list.

Registrations received after 5 PM on Monday, October 26th cannot be accepted.

To register, please send your name, company affiliation, AIHA member # and preferred email address to [webinar@philaaaha.com](mailto:webinar@philaaaha.com).

## Speakers/Presentations

Industrial Water Discharge and Emergency Response: Joe Cerrone (Philadelphia Water Department)

This presentation will provide an overview of the industrial water discharge permitting process and how this process is critical in protecting the city's water supply. In addition, emergency response to chemical spills and practical spill prevention guidance will be discussed.

**Joseph Cerrone** has worked with the Philadelphia Water Department's Industrial Waste Unit as an Industrial Waste Supervisor from 1980 until his retirement in August, 2014.

During his tenure as an Industrial Waste Supervisor, he managed about thirty-five waste water permits under the Federal Pretreatment Program. Industries regulated under this program included organic chemical, metal plating, metal finishing, and many others. These industries were monitored for federally mandated waste water discharge standards for waterborne pollutants that were discharged to the City's waste water collection system (sewers) and three water pollution control plants along the Delaware River. He supervised a staff of Industrial Waste Technicians, and together they inspected, monitored, and sampled industrial waste water for lab analysis to ensure that reported monitoring data were correct.

Mr. Cerrone also performed twenty-four hour emergency response to any chemical spills that occurred within and outside the city within the larger watershed that could impact Philadelphia's wastewater or drinking water treatment plants.

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Clean Water Act Regulatory Update: Jeffrey Lapp (US EPA)

This presentation will provide a regulatory update on the Clean Water Act, with a focus on wetlands and the proposed rule defining the extent of "waters of the United States of America" Best management practices for implementation will also be discussed, with real world examples provided.

**Jeffery D. Lapp** currently serves as the Acting Deputy Director of the Offices of State and Congressional Relations and Public Affairs for the US EPA. He is a regional expert in wetlands creation and restoration, constructed wetlands for waste water treatment, plant identification and beneficial landscaping techniques. He has designed and installed the EPA Philadelphia Flower Show display since 1991, designed wetlands displays for the Philadelphia Zoo and Good Zoos and is the Region III International Wetlands liaison conducting wetlands training in the Peoples Republic of China and Sri Lanka. Jeff is also an EPA instructor for wetlands enforcement investigation methods, wetlands identification techniques and advanced wetland plants and soils identification methods.

## Speakers/Presentations

### Yellow Fever Epidemic of the 18th Century and Similarities to Present Day Crises: Dr. Robert Hicks (College of Physicians/Mütter Museum)

The 1793 Yellow Fever epidemic in Philadelphia has become well known: the story has a hero—Benjamin Rush—and a villain—a mysterious pestilential disease which killed almost 10 percent of the population. Rush has been roundly criticized, both by posterity and his contemporaries, for his harsh therapies of bloodletting and extreme medicines. The management of the 1793 epidemic played against rivalries and disagreements between doctors and questioned deeply rooted medical philosophies. By the 1797 epidemic, public officials once again appealed to the medical establishment for advice on public health. Two camps presented their competing observations and conclusions—The College of Physicians of Philadelphia and its splinter faction, the Academy of Medicine, led by Rush and Philip Syng Physick. This illustrated presentation examines their competing theories of Yellow Fever and its treatment, revealing the nature of patriotic ideals, criticism of the country's maritime economy, and even what it meant to be an American.

**Robert D. Hicks, PhD** is the director of the Mütter Museum and Historical Medical Library of The College of Physicians of Philadelphia. Formerly, he supervised exhibits, collections, and educational outreach at the Chemical Heritage Foundation in Philadelphia. He has worked with museum-based education and exhibits for over three decades, primarily as a consultant to historic sites and museums. Robert has a doctorate in maritime history from the University of Exeter, United Kingdom, and degrees in anthropology and archaeology from the University of Arizona. His most recent book was *Voyage to Jamestown: Practical Navigation in the Age of Discovery* (U.S. Naval Institute Press, 2011.)

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### Stormwater Best Management Practices – From Regulation to Implementation: Thomas J. Patterson and Tiffany Springman (Roux Associates)

This presentation will provide an overview of current events associated with stormwater regulations and Best Management Practices (BMPs) as well as discussions regarding the practical application of stormwater BMPs. The latest developments with regard to general stormwater permits and the incorporation of BMPs into Stormwater Pollution Prevention Plans (SWPPPs) will also be presented. Case studies will be included to provide an array of options for implementing stormwater BMPs through management plan preparation and construction projects, with a strong focus on innovative BMP methods using Engineered Natural Systems® (ENS®) such as constructed treatment wetlands and phytotechnologies.

**Tiffany Springman** is a Project Manager at Roux Associates. She holds a Bachelor of Science degree in environmental engineering from Drexel University and has been with Roux Associates for 10 years. Tiffany primarily supports Roux Associates' ENS® and civil design practices with extensive experience in: stormwater management design; geotextile, earthen and phytotechnology landfill cap/cover design and installation; constructed wetland/phytotechnology design and construction oversight; Phase I/Phase II environmental site assessments; and Site evaluation/remedial treatment selection and design.

(continued)

## Speakers/Presentations

**Thomas J. Patterson, P.E.** is a Principal Engineer and the Corporate Regulatory Compliance Practice Leader at Roux Associates. He holds a Bachelor of Science degree in mechanical engineering from the University of Bridgeport and possesses over 24 years of experience in the environmental field, including 19 years at Roux Associates. Thomas' responsibilities as Corporate Regulatory Compliance Practice Leader include the supervision and management of regulatory compliance projects throughout North America including Environmental Health and Safety (EHS) projects involving: permitting (e.g., air, stormwater, wastewater); compliance plan and protocol preparation and training (e.g., SPCC, SWPPP, FRP, ICP, H&S); BMP design; storage tank and containment design; air emissions control evaluation, selection and design; hazardous and other waste management; and EHS auditing. As a Principal Engineer at Roux Associates, Thomas has also completed numerous environmental and infrastructure projects involving: remedial investigation; remedial action design and implementation; water and wastewater treatment; water supply; constructed treatment wetlands and phytotechnologies; and litigation and insurance claim support.

## **New Jersey Section AIHA: Upcoming Meetings**

**Thursday, November 13th:** "Industrial Hygiene Sampling Seminar With Equipment Demo and "Hands On" Instruction": Rutgers University (ABC Cook Student Center: 59 Biel Rd, in New Brunswick, NJ)

**Thursday, December 4th:** Professional Development Courses (in conjunction with the Northeast Regional Industrial Hygiene Conference and Exposition)

For more information, please visit the New Jersey AIHA web site at [njaiha.org](http://njaiha.org)



## **Employment Opportunities**

Contract Site EHS Specialist (Malvern, PA)– TEMPORARY POSITION (1 Year) with possibility for Permanent Position

Experience: Minimum of 5 years of direct EHS experience with a formal EHS educational background (BS/MS in related EHS program). Construction safety experience is a must.

Timing: Immediate

The objective of this position is to serve as the site EHS leader for the new CertainTeed R&D Materials Testing Laboratory and the Saint-Gobain NA Corporate Headquarters. The HQ is under construction now. This position will work closely with site management and the EHS Department to ensure a safe and healthful working environment, improve employee relations and productivity, and minimize business risk through the identification and elimination/minimization of environmental, health and safety risks.

In this position the individual will be responsible for EHS Program Development and Implementation, R&D EHS Responsibilities, EHS Training and Contractor Safety Management. Please contact Dennis Mueller at [dennis.j.mueller@saint-gobain.com](mailto:dennis.j.mueller@saint-gobain.com) if you are interested.

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### Industrial Hygienist

Seeking an Industrial Hygienist. This position will be responsible for supporting/developing the Industrial Hygiene program in a Federal Facility in southern New Jersey. Support will include: monitoring of air quality, equipment calibration, ergonomic evaluations, lead abatement, hazardous communication, respiratory protection, hearing conservation, asbestos sampling, performing noise surveys, health hazard assessments, radiation monitoring, chemical exposure monitoring, reviewing Safety & Health Plans, and training of affected personnel as needed.

The applicant shall possess expertise in Industrial/Chemical Hygiene, Health, cost estimating, budgeting, and training. The IH shall possess at a minimum: B.S. degree in industrial hygiene (IH) or a related field, and a minimum of three (3) years of IH related experience. A Master's degree will equate to one year of relevant experience in the related field.

All interested applicants must submit a resume to [hr@eitinc.net](mailto:hr@eitinc.net)

**PHILADELPHIA SECTION AIHA**  
**PO Box 126 • ROYERSFORD, PA 19468**  
**[MAIL@PHILAAIHA.COM](mailto:MAIL@PHILAAIHA.COM)**

# 2014 Northeast Regional Industrial Hygiene Conference and Exposition

**“Industrial Hygiene – What Are We Doing Now,  
And Where Are We Going Tomorrow?”**

**Friday, December 5<sup>th</sup>, 2014**

**Westin Princeton at Forrestal Village**

201 Village Blvd, Princeton, NJ 08540

Presented by the Metro NY Section AIHA;  
Co-Sponsored by the Philadelphia and New Jersey Sections AIHA

## Presentations:

- The State Of AIHA and the IH Profession: Barbara Dawson (DuPont)
- TLV's Or No TLV's- Moving Forward: Frank Mirer (Hunter College)
- Legionella- Developments in Laboratory Analysis and New Guidance Document: David Krause (Geosyntec) & Diane Miskowski (EMSL)
- Soil Vapor Intrusion- Update: William Elcoate (Alpha Analytical)
- Governmental and Regulatory Update: Aaron Tripler (AIHA)
- PCB's- Current Understanding and Challenges: Robert Herrick (Harvard University), Edward Gerdts (TRC), John Gorman (US EPA), and David Carpenter (SUNY Albany)
- Industrial Hygiene & the Environment- Kissing Cousins: Neil Feldscher (NYCDEP)
- Ebola- What Do We Need To Know?: Diane Miskowski (EMSL)
- Lead- The Latest: John Gorman (US EPA)
- Sandy, Two Years Later- Lessons Learned: Howard Aspan (CUNY)
- Workplace Health Without Borders: Bernard Fontaine

**For more information, please [click here](#) to visit the Metro NY AIHA web site**  
(registration is being handled by the Metro NY Section; please do not contact the Philadelphia or New Jersey Sections to register)

If you are interested in exhibiting, please contact Steve Winiecki at [swiniecki@qalsonlabs.com](mailto:swiniecki@qalsonlabs.com) or 877-568-5227

If you are interested in becoming a conference sponsor, please contact Sophie Naftalovich at [sophie.naftalovich@gmail.com](mailto:sophie.naftalovich@gmail.com) or 201- 312- 5912

If you are interested in providing a gift for our annual raffle, please contact Al Wallner at [enviroal@aol.com](mailto:enviroal@aol.com)

For additional information contact Marianne Santarelli, Metro New York AIHA President at [presidentmetrony@gmail.com](mailto:presidentmetrony@gmail.com) or 908- 768-0763