

Thursday, September 16, 2021  
8:30 AM – 3:00 PM Central Time



Event webpage: <https://bit.ly/ihss0921>

In collaboration with the Jan Koehn, MS, CIH and William “Bill” Young, CIH, CSP for Gulf Coast Section of the AIHA and UH-Clear Lake (UHCL)

## AGENDA

**8:15 am – 8:30 am** [Join event via Webex, and test your connection prior to start of event.](#)

[Click here for guide to joining a Webex event](#)

**8:30 am – 8:40 am** [Welcome and Overview](#)

**Michelle McDaniel, BS, CHES (Moderator 1)**

Outreach & Continuing Education Programs Director, SWCOEH ERC  
UTHealth School of Public Health at Houston

**William “Bill” Young, MS, CIH, CSP (Moderator 2)**

Sr EHS Consultant  
William M Young LLC

### [Agenda Producers:](#)

**William “Bill” Young, MS, CIH, CSP, Sr EHS Consultant, William M Young LLC**  
**Jan Koehn, MS, CIH, President, JK, Inc.**

**08:40 am – 09:25 am** [Summary of Lead \(Pb\) Survey Project with Exposure Assessments and Results](#)

**Jan Koehn, MS, CIH, President, JK, Inc.**

This session will provide a summary of various completed lead survey efforts for plant facility prior to demolition, field pipeline determinations of lead-based paint, commercial facility investigations, defined structures for initial assessment, surface wipe and bulk paint chip sample collection, and other lead risk and exposure assessment project consulting challenges.

At the end of this session, participants should be able to:

- Outline lead sampling and survey procedures for scope of work;
- Identify materials and specific sampling and options for analysis;
- Develop exposure assessment project information for lead risk analysis considerations;
- Recognize general data interpretation pitfalls and overall “lessons learned” from field experience

**09:25 am – 10:25 am** [Lead Exposure and Human Health Through the Ages](#)

**Arch “Chip” Carson, MD, PhD, Environmental Medicine Consultants – Cincinnati**

This presentation will relay the history of lead exposure, and why it has been and continues to be a major human health concern. Current epidemiology data and emerging lead exposure sources will be discussed.

At the end of this session, participants should be able to:

- Discuss the role of lead as a toxic exposure throughout history
- List the main human health effects of lead exposure.
- Recognize causes of lead contamination and emerging sources of exposure.

**10:25 am – 10:35 am** Stretch Break (Speaker Set-Ups)

- 10:35 am – 11:35 am** **Industrial Operations Involving Lead Exposure**  
**Brian Stott, CSP, CIH, President, Risk 2 Reward Consulting (New)**  
This session will relay the industrial hygiene aspects of managing a global lead exposure control program. We will look into lessons learned and successes of ensuring a safe work place. At the end of this session, participants should be able to:
- Describe causes of Lead Exposures in the Work Environment.
  - Effectively evaluate lead exposure risks
  - Control work-related lead hazards by ensuring employee knowledge
  - Environmental considerations for mitigating lead hazards and impacts
  - Explain some other challenges of managing a Global Lead Exposure Control Program
- 11:35 am – 12:10 pm** Lunch Break (and next Speaker Set-Up)
- 12:10 pm – 12:55 pm** **Regulations and Resources to Lessen Lead Risks in the Environment**  
**Fredy Polanco, MS, CSP, President, Professional Environmental Training**  
We will discuss changes in regulatory requirements pertaining to minimizing lead paint and lead hazard exposures, and review the changes in elevated blood lead levels thresholds. At the end of this session, participants should be able to:
- Describe HUD Guidelines for Lead Inspection and Risk Assessments
  - Explain other regulations applicable to lead hazards including OSHA and EPA
  - Recall resources for controls lead hazards
  - Describe Blood Lead Levels Criteria for different groups from children to adult lead abatement workers
  - Identify local resources for lead inspections and analysis
- 12:55 pm – 01:55 pm** **Occupational Health Hazards of Leaded Gasoline Used in the Transportation Industry - Impacts of Leaded Fuels, Old and New**  
**Bernard L Fontaine Jr, CIH, CSP, FAIHA, Managing Partner, Windsor Consulting Group Inc.**  
This session will review of the toxicology of lead contaminants, discuss the history of tetraethyl lead used in automobiles until the late 1970s and how organic lead can convert to the inorganic form exposing construction workers working in around highways and bridges, and the current use of aviation gas (Avgas) containing tetraethyl lead is still being used today. At the end of this session, participants should be able to:
- Describe the toxicology of organic vs organic lead
  - Identify locations where lead contamination is increasing
- 1:55 pm – 2:05 pm** Stretch Break (Speaker Set-Ups)
- 2:05 pm – 2:50 pm** **Testing for Lead Paint and Other Lead-Contamination Transmitters - Other Lead Sources and Methods for Lead Hazard Analysis**  
**William M Young CIH CSP, WM Young LLC; Esteban Piña, HIH Laboratory Inc.; and Dave Thomas, REPSS Inc.**  
This session will review and demonstrate XRF and other means of analysis for ingestible lead in products and surfaces. We will review and discuss the following:  
**Please review prior to Thursday:** <https://epi.dph.ncdhhs.gov/oe/trainings.html>  
**Report:** <https://www.cdc.gov/mmwr/volumes/67/wr/pdfs/mm6746a2-H.pdf>  
At the end of this session, participants should be able to:
- Describe sources of lead exposure concerns other than lead-based paint
  - Compare new sources of lead contaminants and old sources
  - Recall the amounts and sampling quality requirements for obtaining samples for analysis
  - Describe results of sampling for lead in items commonly found in homes

2:50 pm – 3:00 pm

**Wrap-up, Roundtable, and Evaluations**  
Michelle McDaniel, BS, CHES

**Thank you to the agenda producers, speakers and all participants!**

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