

# EMERGING WORKPLACE HAZARDS: **Creating Adaptable and Innovative Safety and Health Training**

May 2–4, 2023 / Indianapolis, Indiana



## WORKSHOP SESSION SUMMARY

### POST-CONFERENCE PROCEEDINGS

#### 1. Session Title and Presenter's Contact Information:

Workshop number and title: 33: Case Studies and Lessons Learned: Interactive Strategies for Health and Safety Training

Presenter (s) Name: Lawrence Wong, CIH, FAIHA

Presenter Organization: WRUC – UC Berkeley, Labor Occupational Health Program (LOHP)

Presenter Email: larryswong@gmail.com

#### 2. Workshop Summary:

In this presentation we will consider how interactive tools such as review games and workplace-based scenarios can be used to review “lessons learned” from real-life incidents or near-misses drawn from participants’ own work experiences. These tools can be tailored to specific audiences and can support participants to become proactive at implementing preventive health and safety procedures in the workplace. We will also consider how these tools can expand the discussion of a scenario exercise beyond emergency response to engage participants in thinking about underlying causes, identifying control strategies that worked and assessing what didn’t work. In this presentation, we will show examples of how discussions over “lessons learned” from incidents and near misses can be utilized in either classroom or virtual settings to enhance learning about how to prevent, prepare for and respond to future incidents. Workshop participants will practice the use of a case-study exercise, as a tool to enhance learning in discussion about “lessons learned”.

#### 3. Methods:

*[Briefly describe the training method(s) used to deliver the presentation, the advantages and disadvantages of the approach]*

The training method used to deliver this presentation began with a short lecture to highlight the advantages for using lessons learned in evaluating health and safety accidents, incidents, fatalities, and near misses. Group discussions and evaluations were the next step to allow the attendees to conduct their own evaluation of a real-life health and safety incident. This allowed the participants to break down various aspects of the incident, such as: what happened; what was the cause; what went right; what went wrong; and what corrective measures should or will be taken to prevent such an incident from occurring in the future.

The advantage of using this approach is that it allows the participant to breakdown and assess the work operation and determine not only what broke down in the operations, but also determine what went right to prevent a larger disaster from occurring. The main disadvantage of this approach is that all attendees did not have the health and safety knowledge/experience in certain operations to

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properly assess a given incident and therefore were required to rely on the knowledge/experience of other attendees in their breakout group.

**4. Main Points/Key Points Raised from Participants:**

*[Lists key points raised during the workshop by the participants resulting from the session discussion, as well as main points raised by presenter.]*

Allowed attendees to breakdown the cause(s) of an accident/incident

Allowed attendees to work in a group situation and share health and safety knowledge/experience

Some attendees did not have enough knowledge in chemistry to address an accident in a chemistry laboratory

**5. References:**

*[Reference materials (including articles, reports, training materials, links, etc.)]*

[Podcast: Lessons learned in lab safety \(acs.org\)](#)

[Lab Safety Expert Cites Real-World Examples, Lessons Learned | Office of Environmental Health and Safety \(princeton.edu\)](#)

[Lessons Learned | The UC Center for Laboratory Safety \(ucla.edu\)](#)

**6. Workshop Handouts/Resources:**

*[can be attached separately]*