

**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: #25 Using the HARM Worksheet

Presenter (s) Name: Paul Penn

Presenter Organization: Global Vision Consortium

Presenter Email:

2. Workshop Summary:

Conveying key technical concepts regarding chemical characteristics (e.g., toxicity, flammability) can be daunting. Using an updated and expanded version of the HARM worksheet to assist students to conceptualize those characteristics, the measurements used (e.g., TWA, STEL, IDLH, LEL, FP), the relative potential for harm, and how the worksheet can be used in decision making and has proven effective. Students fill out the HARM worksheet for a specific chemical (i.e., xylene) as the material is presented. A subsequent small group activity using similar source material (e.g., SDS, NIOSH Pocket Guide, ATSDR MMG, WISER, ERG) for different chemicals (e.g., ammonia, HCl, parathion) reinforces the subject matter and student comprehension. Attendees will have the opportunity to participate in both components.

3. Methods:

Provided two copies of the HARM worksheet. Delivered content via PPT. Used one worksheet to guide participants through the key components using xylene as the exemplar. Had participants use the second worksheet for other chemicals, then compared the results.

4. Main Points/Key Points Raised from Participants:

Participants seemed to like the simple, low-tech tool as a means to convey chemical and physical properties to students along with subsequent evaluation of relative risk and capabilities.

NATIONAL TRAINERS' EXCHANGE

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5. References:

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

6. Workshop Handouts/Resources:

[can be attached separately]