HAZMAT RISK ASSESSMENT & MANAGEMENT ACTIVITY FOR VIRTUAL TRAINING

Eric Tu

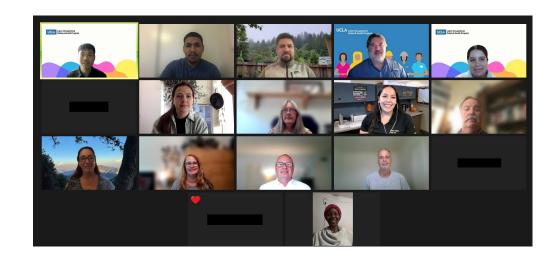
UCLA Labor Occupational Safety and Health Program

Western Region Universities Consortium



UCLA LOSH HAZWOPER TRAININGS





LOSH provides open-enrollment HAZWOPER and Refresher trainings in SoCal for workers in the public & private sectors, and NIEHS WTP partners



WHAT IS IT?



Real-time scenario-based activity used in Virtual 8-hr Refresher



- 4 5 students per breakout group based on similar occupation
- Groups work from shared and editable online documents



 25 – 30 minute allotment with 5 min give back presentation & 5 min Q&A session included



GOALS AND OBJECTIVES



CRITICAL GROUP THINKING



ENHANCED VIRTUAL LEARNING EXPERIENCE



RISK ANALYSIS AND PROCEDURES



APPLY & REINFORCE
HAZMAT KEY
CONCEPTS

Activity 4 Group 1 Instructions

Think of a hazmat incident that occurred in your workplace in the last year. If a hazmat incident did not occur in the last year, think of a hazmat incident that:

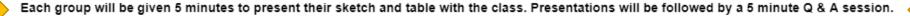
- · Nearly occurred within the previous year;
- · Occurred several years ago; or
- · Could occur in your workplace

Step 1: Draw a sketch of the incident scenario being used in this activity. Include as many elements as you think are relevant to illustrate this incident to the class and guide your group discussion in step 2.

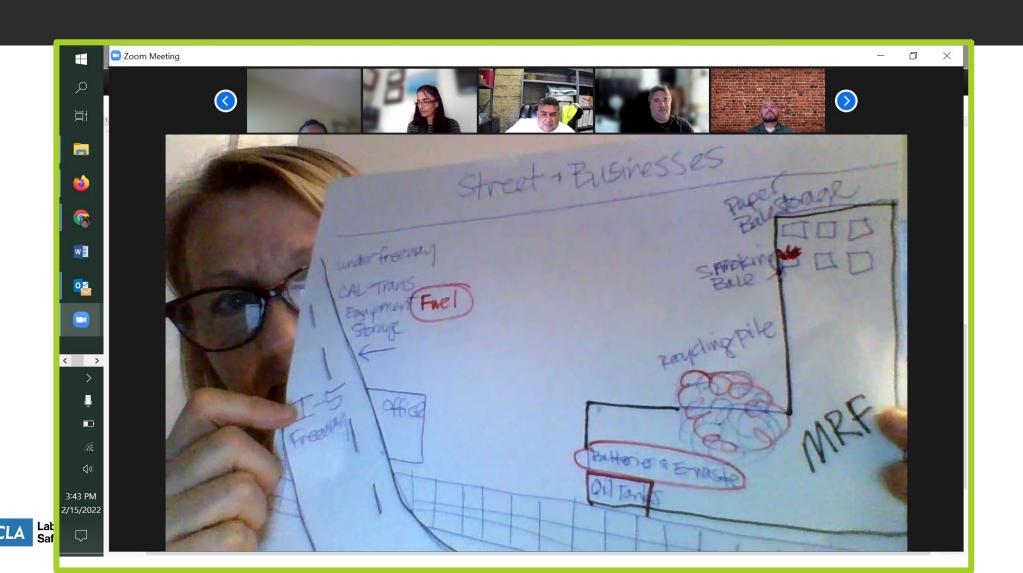
Step 2: Use this incident to help you fill out the table on the following page:

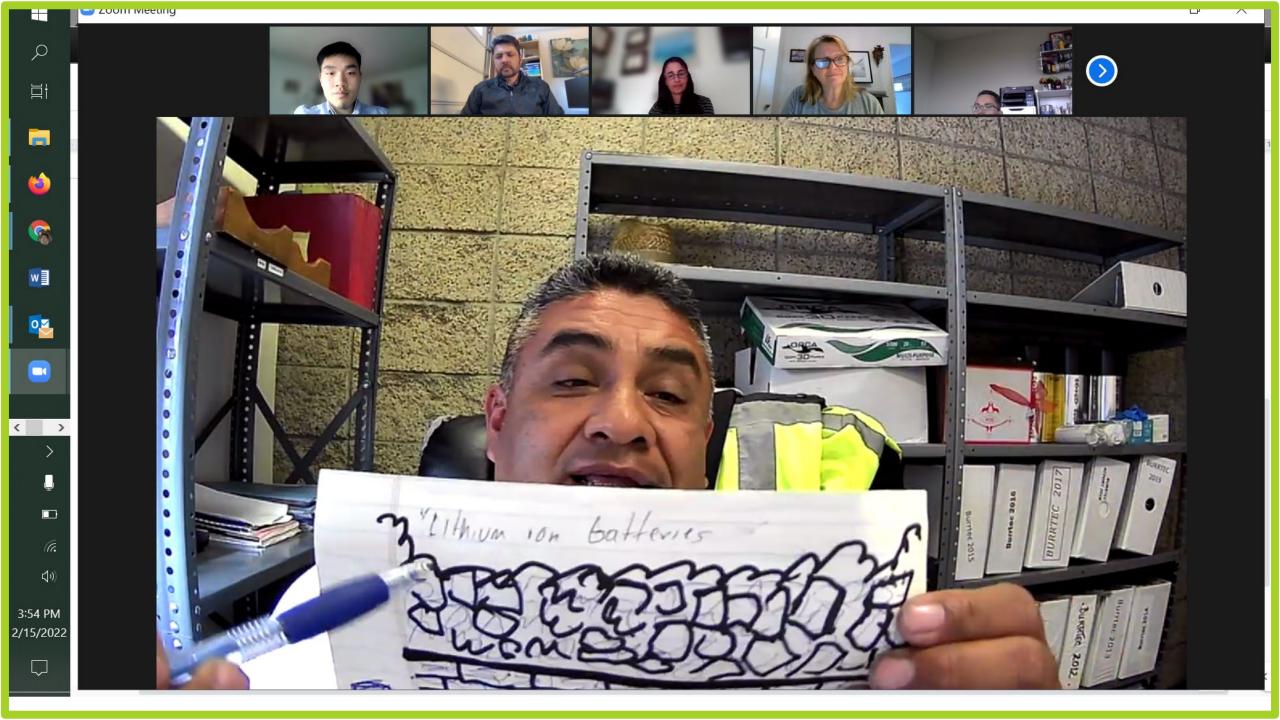
- Column 1: Describe the worksite or operation involved in the incident.
- Column 2: Describe the incident. Consider time, location, magnitude of the incident, etc.
- Column 3: Describe potential external factor(s) that affected or could affect the incident. Consider weather conditions (temperature, wind direction and speed, humidity) natural disasters, biological disasters, etc.
- Column 4: Describe the potential hazard(s) of this incident. Think about chemical, physical, biological, safety hazards.
- Column 5: Describe the resources you used or would use to evaluate / measure exposure to each hazard identified in column 4.
- Column 6: Describe the methods you used or would use to prevent / mitigate / manage the risk of each hazard identified in column 4. How did or could the factors identified in column 3 influence the methods you used or would use?
- Column 7: Describe how you did or would communicate the risks associated with the incident to your team or the public. If the incident you are describing did occur, is there anything you would change about how risk was communicated previously? If so, why?

Step 3: Share the sketch and your table with the class. Pick one person to share their screen. Everyone in the group is expected to participate in the activity as well as the final presentation.



VISUALIZING THROUGH SKETCH ART





RISK ASSESSMENT ACTIVITY

(1) Worksite / Operation	(2) Description of Incident	(3) Potential External Factor(s)	(4) Potential Hazard(s)	(5) How did / will you evaluate / measure the exposure to each hazard	(6) Prevention / Mitigation / Management of Risk	(7) How will / did you communicate risk to your team or the public?

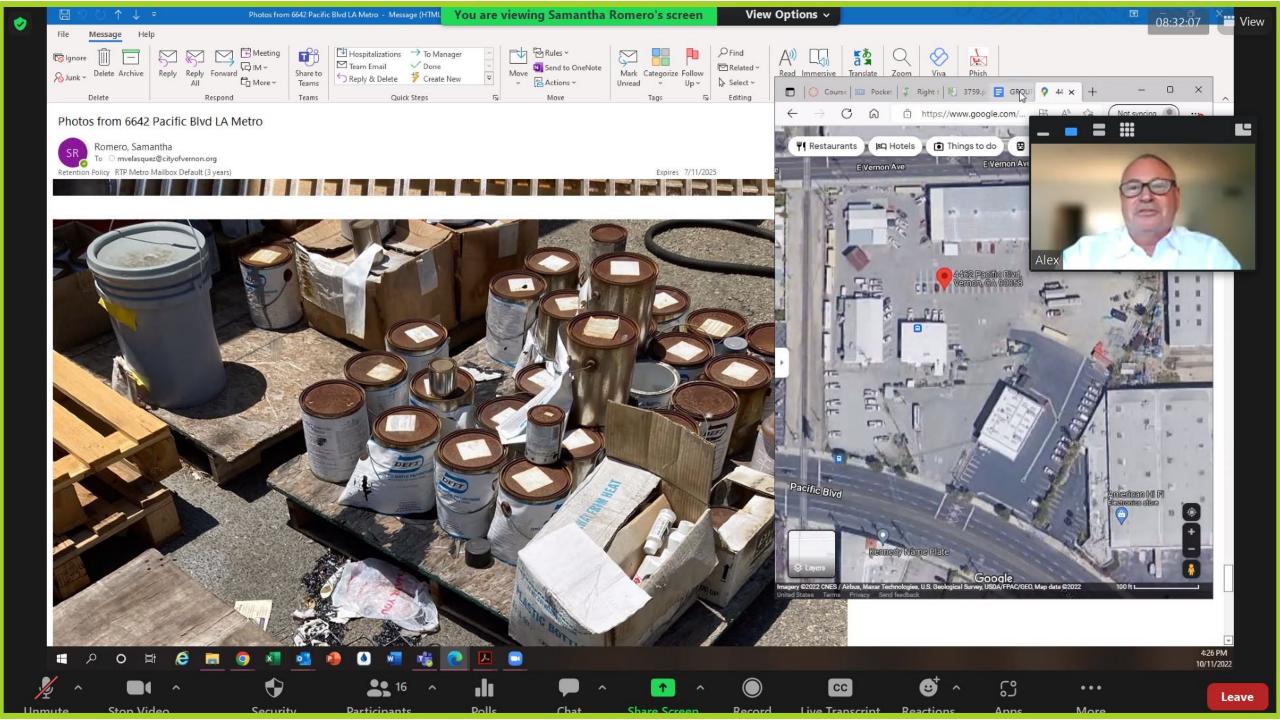
Now, let's try this activity!

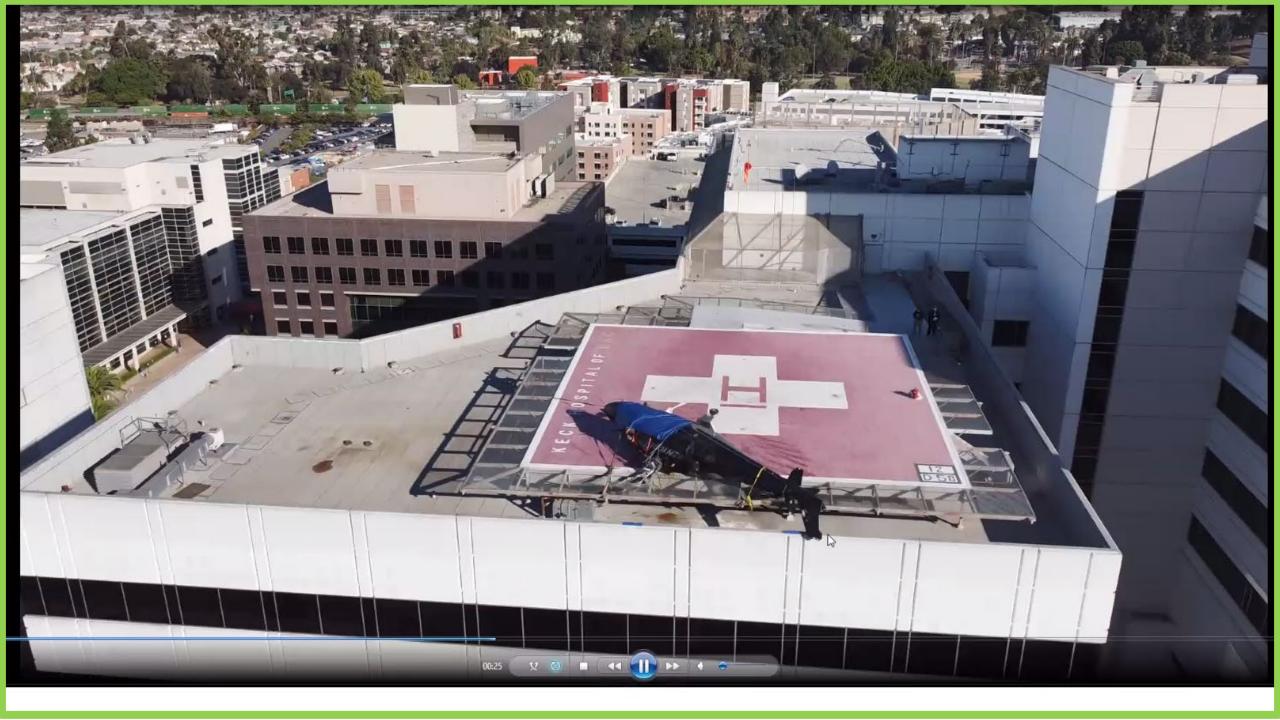


Breakout Group Activity!

Team up with the people at your table.

- 1. Come up with a HazMat scenario.
- 2. Draw a sketch.
- 3. Fill in the table worksheet.







Q & A

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THANK YOU!

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