Welcome to the CLU-IN Internet Seminar!

EPA Office of Research and Development's Office of Science Policy
Mine and Mineral Processing Virtual Workshop
Session 2 - Emergency Management

Sponsored by: US EPA Office of Research and Development (ORD)'s Office of Science Policy

Live Webinar: Wednesday, October 9, 2019, 1:00 PM-3:00 PM EDT (17:00-19:00 GMT)

Instructors:
- Lily Tavassoli, EPA Region 9 (tavassoli.lily@epa.gov)
- Tom Kady, EPA Environmental Response Team (kady.thomas@epa.gov)
- Christoph M Goss, PhD, PE, F ASCE, Deere & Ault Consultants (christoph.goss@deereault.com)
- Terry Burton, EPA Office of Research and Development (burton.terry@epa.gov)

Moderators:
- James Rice, ICF International Inc. (James.Rice@icf.com)
- Jean M Balent, US EPA Technology Innovation and Field Services Division (Balent.jean@epa.gov)

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Welcome to the Mining and Mineral Processing Workshop Series

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About the Series

Each session in the virtual workshop series will include a short lecture by various subject matter experts in their respective fields but will also allow ample time for the presenters to interact with the audience, including time for questions and answers as well as brainstorming and identifying concerns from stakeholders participating in each virtual workshop.

Webinar Objectives

- Describe the latest conceptual approaches to each technical area
- Offer methodologies and tools, and case study illustrations that address each of these concepts
- Solicit participant input to how these approaches can be revised to produce better, faster and cheaper outcomes
Question 1: What are your challenges in dealing with mine and mineral processing sites?

Use the blank space at the bottom of your screen to enter a word or short phrase.

You can click on the “+1” button if you want to agree with someone else’s response.

The responses will be ranked by popularity (# of respondents selecting this choice).
Why are mining and mineral processing sites challenging?

Mining sites present unique challenges
• Complex arrangements of sources above and below ground
• Large areas and large waste volumes
• Interactions between groundwater and surface water
• Unstable conditions and potential for releases
• Higher remediation costs

Systematic and coordinated efforts are needed to address mining related sites effectively
• Robust CSMs require innovative characterization tools
• Response actions must address unique issues like wildfires and impoundment releases
• Effective remedial actions involve adaptive management and innovative approaches
• Large and complex data sets must be managed for effective use
Today’s Topic: Emergency Response

Iron Mountain Mine Superfund Site Emergency Planning and Remedy Resiliency
• Lily Tavassoli, EPA Region 9

Response Activities at the Mississippi Phosphates Site
• Tom Kady, EPA ERT

What an EPA Responder Should Know About Mine Bulkheads
• Christoph Goss, Deere and Ault Consultants

Response Activities on Uranium Impacted Tribal Land
• Terry Burton, EPA ORD