



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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Seminar Homepage

The screenshot shows the EPA Clean-Up Information website. At the top is the EPA logo and the text "United States Environmental Protection Agency" and "Technology Innovation and Field Services Division". A search bar is on the right. Below the header is a navigation bar with links: Technologies, Contaminants, Issues, Strategies & Initiatives, Vendors & Developers, Training & Events, and Additional Resources. The main content area features the title "Passive Treatment of Mining-Influenced Water: From Bench Scale to O&M" and the sponsor "U.S. EPA Technology Innovation and Field Services Division". The webinar is scheduled for Monday, November 14, 2016, from 1:00 PM to 3:00 PM EST. There are two buttons: "Join Webinar" and "Register". Below these are tabs for Description, Presenters, Webinar Slides, Related Links, Feedback Form, and Tips. The "Webinar Slides" tab is selected, showing a description of passive treatment and a case study. A "Feedback" box is overlaid on the right side of the page. A sidebar on the right contains social media links, a "Staying Connected" section, and a "Live Events" section.

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Description **Presenters** **Webinar Slides** **Related Links** **Feedback Form** **Tips**

Passive treatment refers to processes that do not require frequent human intervention, operation, or maintenance, and typically employ natural construction materials, natural treatment media, and the growth of natural vegetation. Biochemical reactors (BCRs) are a type of passive treatment system that uses microorganisms to remove contaminants from mining-influenced water (MIW). BCRs and other passive systems are effective and lower-maintenance treatment options for mine site cleanups. They provide opportunities to reduce the environmental footprint associated with treatment of MIW.

In recent years, development and implementation of passive systems has increased. However, there's still plenty to learn about their effectiveness. Pilot studies are good ways to study passive treatment and their application scenarios. In this webinar, two case studies will be presented that document design and implementation of BCRs to passively treat MIW – from bench-scale tests to full-scale operation and maintenance, including recovery of iron oxide byproducts for sale.

Case Study 1: Passive Treatment of Metal Mine Drainage at an Abandoned Mine near Lake Shasta

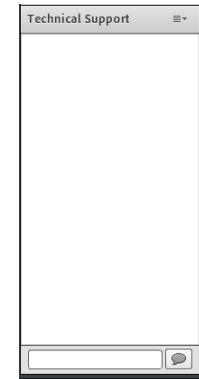
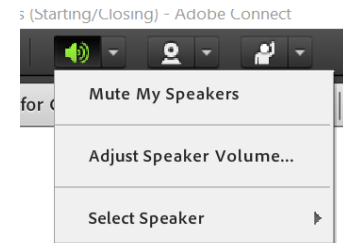
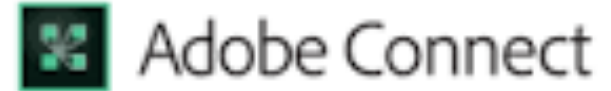
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Certificate of Participation

This is presented to

Jean Balent

for participation in the CLU-IN seminar
Estimating Environmental Footprints Using SEFA (Spreadsheets for
Environmental Footprint Analysis)

Sponsored by: EPA Technology Innovation and Field Services Division
Delivered: October 26, 2014 2 Hours
Certificate generated on February 10, 2015

Additional event information may be found at <http://www.clu-in.org/fo/SEFA/>
www.clu-in.org

Webinar Layout

The screenshot displays the Adobe Connect interface for a webinar titled "SBIR/STTR for Environmental Technologies - Adobe Connect". The interface includes a top toolbar with "Meeting" controls, a central content area, and a bottom section for "Live Closed Captioning".

Callouts and their locations:

- Control online audio:** Points to the audio control icon in the top toolbar.
- Enlarge presentation:** Points to the "Full Screen" icon in the top right corner.
- View presentation live online here:** A large yellow box in the center of the screen.
- Information about Sponsors & Speakers:** Points to the "Sponsored by" section on the right, which lists NIH, NSF, and EPA.
- Related websites and files:** Points to the "Related URLs" section on the right, which includes links to the CLUIN Archive, Seminar Homepage, Seminar Resources, Seminar Feedback, and NIH ERA page.
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