



Clean-Up Information

Contaminated Site

**Welcome to the CLU-IN Internet Seminar!**

# Contaminated Sediments Virtual Workshop

## Session 1 - Site Characterization

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

Live Webinar: Monday, October 21, 2019, 1:00 PM-2:30 PM EDT (17:00-18:30 GMT)

### Instructors:

- Dr. Todd Bridges, U.S. Army Engineer Research and Development Center
- Earl Hayter, U.S. Army Engineer Research and Development Center
- Donald F. Hayes, Ph.D., PE, BCEE, F. ASCE, U.S. Army Engineer Research and Development Center
- Paul R. Schroeder, PhD, PE, U.S. Army Engineer Research and Development Center
- Joe Gailani, U.S. Army Coastal & Hydraulics Laboratory
- Matthew Neal, Element Environmental, LLC
- Marvin Heskett, Element Environmental, LLC
- Dr. Rainer Lohmann, University of Rhode Island's Graduate School of Oceanography

### Moderators:

- James Rice, ICF International Inc
- Jean M Balent, US EPA Technology Innovation and Field Services Division

Visit the Clean Up Information Network online at [www.cluin.org](http://www.cluin.org)

# Seminar Homepage

The screenshot shows the EPA Clean-Up Information website. At the top, there is a navigation bar with the EPA logo, the text 'United States Environmental Protection Agency', and 'Technology Innovation and Field Services Division'. A search bar is located on the right. Below the navigation bar is a main header with the text 'Clean-Up Information' and 'Contaminated Site'. A secondary navigation bar contains links for 'Technologies', 'Contaminants', 'Issues', 'Strategies & Initiatives', 'Vendors & Developers', 'Training & Events', and 'Additional Resources'. The main content area features the seminar title 'Passive Treatment of Mining-Influenced Water: From Bench Scale to O&M', sponsored by the 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. Two prominent buttons, 'Join Webinar' and 'Register', are displayed. Below these are tabs for 'Description', 'Presenters', 'Webinar Slides', 'Related Links', 'Feedback Form', and 'Tips'. The 'Description' tab is active, showing text about passive treatment and biochemical reactors (BCRs). A 'Feedback' box is overlaid on the right side of the page, with arrows pointing to the 'Feedback Form' tab and the 'Join Webinar' button. A 'Join the seminar online' box is on the left, with an arrow pointing to the 'Join Webinar' button. A 'Download Slides' box is at the bottom left, with an arrow pointing to the 'Webinar Slides' tab. On the right side of the page, there is a 'Staying Connected' sidebar with social media icons (Facebook, Twitter, LinkedIn), a 'Podcasts' section, and a 'Live Events' section with a 'Technifool' logo and a 'Contact Us' link.

United States Environmental Protection Agency  
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## Clean-Up Information

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Technologies | Contaminants | Issues | Strategies & Initiatives | Vendors & Developers | Training & Events | Additional Resources

CLU-IN | Training & Events | [Passive Treatment of Mining-Influenced Water: From Bench Scale to O&M](#)

### Passive Treatment of Mining-Influenced Water: From Bench Scale to O&M

Sponsored by: U.S. EPA Technology Innovation and Field Services Division

Live Webinar: Monday, November 14, 2016, 1:00 PM-3:00 PM EST (18:00-20:00 GMT)

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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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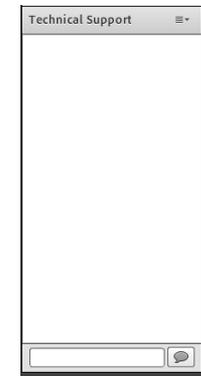
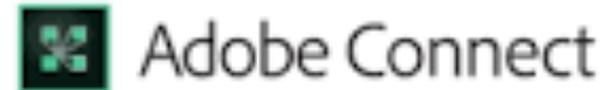
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- Default Audio is Online via PC Speakers/Headphones.
  - Phone Audio can be requested via Q&A
  - Please remain muted
- Comments, Questions, Tech Issues can be privately submitted in Q&A Window
- The event is being recorded.
- Download/Print webinar certificates by submitting feedback



Certificate of Participation

this is presented to

**Jean Balent**

for participation in the CU-I session  
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.cui-i.org/conferences>  
[www.cui-i.org](http://www.cui-i.org)

# Webinar Layout

The screenshot shows the Adobe Connect interface for a webinar titled "SBIR/STTR for Environmental Technologies". The interface includes a top toolbar with "Meeting" controls, a central content area, and a right-hand sidebar with navigation and information. A large yellow box in the center of the content area contains the text "View presentation live online here".

Callouts and their locations:

- Control online audio:** Points to the audio control icons in the top toolbar.
- Enlarge presentation:** Points to the "Share" button in the top toolbar.
- Information about Sponsors & Speakers:** Points to the "Sponsored by" section in the sidebar, which lists logos for NIH, NSF, and EPA.
- Related websites and files:** Points to the "Related URLs" section in the sidebar, which includes links like "Seminar Homepage" and "NIH ERA page".
- Submit private questions, comments or report technical problems:** Points to the "Q & A" section in the sidebar, which shows a message from a moderator.
- Live Closed Captioning:** Points to the "Live Closed Captioning" section at the bottom of the interface, which includes a text area and a "No Captions" button.

## DISCLAIMER

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**Disclaimer**



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