

# **Welcome to the Internet Seminar**

## **Case Studies to Assess Potential Impacts of Hydraulic Fracturing on Drinking Water Resources**

Sponsored by: EPA Office of Research and Development

Delivered: September 12, 2013, 11:00 AM - 12:00 PM, EDT  
(15:00-16:00 GMT)

*Instructors:*

- *Richard Wilkin, EPA Office of Research and Development (wilkin.rick@epa.gov)*
- *Jeanne Briskin, EPA Office of Research and Development (briskin.jeanne@epa.gov)*

*Moderators:*

- *Jean Balent, U.S. EPA Technology Innovation and Field Services Division (balent.jean@epa.gov)*

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# Seminar Homepage

The screenshot shows the homepage for a seminar titled "Site Characterization for Munitions Constituents". The page is sponsored by EPA Federal Facilities Forum & USACE. It features a navigation sidebar on the left with links for "Go to Seminar", "Links", "Feedback", and "CLU-IN Studio". The main content area includes a "Time/Date of Presentation" section stating "No deliveries for this seminar are currently scheduled.", a "Presentation Overview" section with a detailed text description of the seminar's purpose and topics, and a "Participation Tips and Suggestions" section. At the bottom, there are links for "Go to Seminar", "Download Seminar For Future Reference", and "Seminar Feedback Form".

**Join the seminar online** (Callout box pointing to the "Go to Seminar" button)

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**Page Content:**

**EPA United States Environmental Protection Agency** Technology Innovation and Field Services Division

**Site Characterization for Munitions Constituents**  
*Sponsored by: EPA Federal Facilities Forum & USACE*

**Time/Date of Presentation:** No deliveries for this seminar are currently scheduled.

**Download Slides:**

- Go to Seminar
- Download slides in PowerPoint® format (26.7 MB/PPT)
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**Presentation Overview:**

The Federal Facilities Forum is a group of USEPA Scientist and Engineers who represent EPA Regional Program Offices and are responsible for the identification and resolution of technical/policy issues regarding the characterization and remediation of federal facility Superfund, Resource and Conservation and Recovery Act, and Base Realignment and Closure sites. In January 2012 the Federal Facility Forum with the support of the U.S. Army Corps of Engineers using an Interagency Agreement completed and published a technical issue titled, "Site Characterization for Munitions Constituents" (8.3MB/170pp/PDF). This project was done in order to provide federal, state and private consultants site cleanup managers with detailed information on the nature of energetic residues on DOD training ranges, sampling strategies that provide representative samples, and the most current analytical methods that are used to characterize these samples. The issue paper is 149 pages and includes detailed discussions on residues at various types of DOD ranges (grenade, antitank, artillery, tank, bombing, and small arms), soil sampling studies/recommended protocols, and a review of other contaminants of concern. This document also includes, a glossary of common terms, figures, tables, photographs, site specific case studies, and references.

The Webinar will review and highlight specific information found in the issue paper and focus on the following items:

1. Explain background information on the types of military ranges and the munitions and contaminants associated with them.
2. Describe sample preparation issues specific to energetic
  - Richard Mayer, Federal Facilities Forum Co-Chair, USEPA, Region 6 ([mayer.richard@epa.gov](mailto:mayer.richard@epa.gov))
  - Jean Balent, U.S. EPA, Technology Innovation and Field Services Division ([balent.jean@epa.gov](mailto:balent.jean@epa.gov))

**Participation Tips and Suggestions:** View [tips and suggestions](#) for registrants

**Go to Seminar:** Press the "Go to Seminar" button to view the seminar. Please be at this location at the beginning of the conference call.

**Download Seminar For Future Reference:** The seminar is available for download in both [Microsoft PowerPoint](#) and [Adobe Acrobat](#) formats. Both formats include the instructors' notes. These links open in a pop-up window. You may need to turn off any pop-up blockers or add \*clu-in.org to your list of allowed sites for pop-ups.

**After the seminar is complete, please view:**

[Links to Additional Resources](#) [Seminar Feedback Form](#)

<http://www.clu-in.org/conf/tio/munitions/>

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# Housekeeping

- Entire broadcast offered live via Adobe Connect
  - participants can listen and watch as the presenters advance through materials live
  - *Some materials may be available to download in advance, you are **recommended to participate live via the online broadcast***
- Audio is streamed online through by default
  - Use the speaker icon to control online playback
  - If on phones: all lines will be globally muted
- Q&A – use the Q&A pod to privately submit comments, questions and report technical problems
- This event is being recorded and shared via email shortly after live delivery
- Archives accessed for free <http://clu.in.org/live/archive/>



# New online broadcast screenshot

The screenshot shows an Adobe Connect window titled "CLUIN Default Seminar Template - Adobe Connect". The main content area displays a slide with the text "View presentation live online here". Below the slide, it lists "Instructor(s):" and "Moderator(s):" with blue text. At the bottom of the slide, it says "Visit the Clean Up Information Network online at [www.cluin.org](http://www.cluin.org) 1 of Total # of slides".

Callouts and controls include:

- Control online audio:** A callout box on the left points to a volume control icon.
- Enlarge presentation:** A callout box on the top right points to a "Full Screen" button.
- Information about Sponsors & Speakers:** A callout box on the right points to a "Q & A" section.
- Submit private questions, comments or report technical problems:** A callout box on the right points to a text input area within the "Q & A" section.

# New Ways to stay connected!

- [www.cluin.org](http://www.cluin.org)
- Follow CLU-IN on Facebook, LinkedIn, or Twitter



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<http://www.linkedin.com/groups/Clean-Up-Information-Network-CLUIN-4405740>

# Resources & Feedback

- To view a complete list of resources for this seminar, please visit the [Additional Resources](#)
- Please complete the [Feedback Form](#) to help ensure events like this are offered in the future

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CLU-IN Studio

EPA United States Environmental Protection Agency Technology Innovation Program

U.S. EPA Technical Support Project Engineering Forum  
*Green Remediation: Opening the Door to Field Use Session C (Green Remediation Tools and Examples)*  
Seminar Feedback Form

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Please take the time to fill out this form before leaving the site.

First Name: Jean

Last Name: Balent

Daytime Phone Number: 703-603-9924

Email Address: balent.jean@epa.gov

Date of Seminar:  December 15, 2009

Delivery Media

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