



Welcome to the CLU-IN Internet Seminar

Using Fish Tissue Data to Monitor Remedy Effectiveness

Sponsored by: U.S. EPA, Office of Superfund Remediation and Technology Innovation

Delivered: March 30, 2016, 1:00 PM - 3:00 PM, EDT (17:00-19:00 GMT)

Instructors:

- Dean Gouveia, ICF International (dean.gouveia@icfi.com or 410-305-3012)
- James Hahnenberg, Former U.S. EPA Region 5 (jameshahnenberg@comcast.net or 630-229-8573)
- Gary Klawinski, U.S. EPA Region 2 (Klawinski.Gary@epa.gov or 518-407-0400)

Moderator:

- Matt Lambert, U.S. EPA Office of Superfund Remediation and Technology Innovation (lambert.matthew@epa.gov or 703-603-7174)
- Jean Balent, U.S. EPA Technology Innovation and Field Services Division (balent.jean@epa.gov or (703) 603-9924)

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Seminar Homepage

The screenshot shows the EPA website interface for a seminar. At the top, it identifies the EPA and the Technology Innovation and Field Services Division. The seminar title is 'Site Characterization for Munitions Constituents', sponsored by EPA Federal Facilities Forum & USACE. A 'Presentations' section indicates no deliveries are currently scheduled. Below this are three download links for slides in PowerPoint (26.7 MBPPT) and Adobe PDF (37.1 MBPPT) formats. A 'Presentation Overview' section provides a detailed description of the seminar's purpose and content, including a list of topics to be discussed. A 'Participation Tips and Suggestions' section offers advice for registrants. A 'Go to Seminar' button is prominently displayed. A 'Download Seminar For Future Reference' section provides instructions for downloading the seminar materials. At the bottom, there are links to additional resources and a seminar feedback form. The URL 'http://www.clu-in.org/conf/bio/munitions/' is provided at the very bottom.

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 Presentations: No deliveries for this seminar are currently scheduled.

Download Slides:

- Go to Seminar
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- Download slides in Adobe PDF® format (37.1 MBPPT)

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" (8.2MB/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 (grenado, anti-tank, 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)
 - Jean Balent, U.S. EPA, Technology Innovation and Field Services Division (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](#)
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<http://www.clu-in.org/conf/bio/munitions/>

Produced by the U.S. EPA, Technology Innovation and Field Services Division
Questions about our Internet Seminars? | Technical problems?

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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://cluin.org/live/archive/>
- Beta-test our new webinar certificates by submitting feedback



Webinar Layout

The screenshot shows an Adobe Connect webinar interface. The main content area displays a slide titled "Clean-Up Information" with a background image of a contaminated site. A large yellow callout box in the center of the slide reads "View presentation live online here".

Callouts and their locations:

- Control online audio:** Points to the audio control icon in the top left corner.
- Enlarge presentation:** Points to the "Full Screen" button in the top right corner.
- Information about Sponsors & Speakers:** Points to the "Sponsored by" section on the right sidebar.
- Related websites and files:** Points to the "Related URLs" section on the right sidebar, which lists "CLUIN Archive", "Seminar Homepage", "Seminar Resources", and "Seminar Feedback".
- Submit private questions, comments or report technical problems:** Points to the "Browse To" input field and the chat icon at the bottom of the right sidebar.

Other visible elements include the Adobe Connect meeting title bar, a Windows taskbar at the bottom, and a system tray showing the time as 9:02 AM on 12/12/2013.



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Resources & Feedback

- To view a complete list of resources including slides for this seminar, please visit the [Additional Resources](#)
- Contact information for presenters and organizers can be found on the [Seminar Homepage](#)
- Please complete the [Feedback Form](#) to help ensure events like this are offered in the future and request a webinar certificate