



TechDirect, July 1, 2025

Welcome to TechDirect! Since the June 1 message, TechDirect gained 128 new subscribers for a total of 44,610. If you feel the service is valuable, please share TechDirect with your colleagues. Anyone interested in subscribing may do so on CLU-IN at <https://clu-in.org/techdirect>. All previous issues of TechDirect are archived there. The TechDirect messages of the past can be searched by keyword or can be viewed as individual issues.

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TechDirect's purpose is to identify new technical, policy and guidance resources related to the assessment and remediation of contaminated soil, sediments and groundwater.

Mention of non-EPA documents or presentations does not constitute a U.S. EPA endorsement of their contents, only an acknowledgment that they exist and may be relevant to the TechDirect audience.

> Upcoming Live Internet Seminars

Lead Risk Assessment Model Training: A Guide to the IEUBK, ALM, and AALM Models - Wednesday and Thursday, July 23-24, 2025, 1:00PM-3:00PM EDT (17:00-19:00 GMT). This webinar will be hosted by the EPA Superfund Technical Review Workgroup (TRW) Lead Committee to assist Superfund and RCRA Corrective Action risk assessors in the use of the Integrated Exposure Uptake Biokinetic (IEUBK) Model for Lead in Children, the Adult Lead Methodology (ALM), and the All-Ages Lead Model (AALM) in lead human health risk assessment. The first day will provide an overview of all three models and their uses in lead risk assessment, followed by hands-on IEUBK exercises, including running the model, deriving preliminary remediation goals (PRGs), and using site-specific bioavailability information. The second day will be additional interactive (optional; attendees may also listen and follow along), technically-driven instruction on using batch mode and evaluating intermittent exposure in the IEUBK model, an exercise using the ALM, and a demonstration of the AALM, including an intermittent exposure example, and comparison of the AALM to the IEUBK. For more information and to register, see <https://www.clu-in.org/live>.

> New Documents and Web Resources

Technology Innovation News Survey Corner. The Technology Innovation News Survey contains market/commercialization information; reports on demonstrations, feasibility studies and research; and other news relevant to the hazardous waste community interested in technology development. Recent issues, complete archives,

and subscription information is available at <https://clu-in.org/products/tins/>. The following resource was included in recent issues:

- Recommendations of Water Quality Parameters to Measure When Considering Adsorptive Treatment of PFAS
- Interim Measures Plumestop® Injection Pilot Study Update Report Base Support Building Solid Waste Management Unit 014 Kennedy Space Center, Florida
- Complete Biodegradation of Insensitive High Explosive Compounds
- Evaluation of a Passive Approach to Treat Large, Dilute Chlorinated VOC Groundwater Plumes
- Ex Situ Treatment OF PFAS-Impacted Groundwater Using Ion Exchange With Regeneration

EPA Report: Critical Mineral Recovery from Mine Influenced Waters - Literature Review and Technology Evaluation (EPA 600/R-25/038). This report reviews technology screening for recovering critical minerals (CMs) from mine wastes and mining-influenced waters, focusing primarily on Rare Earth Elements (REEs). It identifies REEs, along with cobalt (Co), lithium (Li), and antimony (Sb), as key CMs, noting their strategic importance and potential for extraction from mining and mineral processing waste. This work aims to enhance the efficiency and sustainability of remedial actions at Superfund mine and mineral sites, including abandoned mine lands, by identifying technologies that facilitate CM recovery. It also highlights challenges in the recovery of REEs due to their chemical similarities and emphasizes the need for continued research to support sustainable mineral resource management (March 2025, 70 pages). View or download at

https://cfpub.epa.gov/si/si_public_record_Report.cfm?dirEntryId=366102&Lab=CESER.

ContaminatedLand.info. With a focus on sustainable and risk-based land management, this platform offers information on best practices, regulatory considerations, and innovative solutions for addressing contamination challenges. To view these resources, visit <https://contaminatedland.info/>.

> Conferences and Symposia

2025 Environmental Measurement Symposium, August 4-8, 2025, St Louis, MO.

Organized by The NELAC Institute (TNI), the 2025 Environmental Measurement Symposium is a combined meeting of the National Environmental Monitoring Conference (NEMC) and the Forum on Environmental Accreditation. It is the largest conference focused on environmental measurements in North America, and this year is planned as an in-person event for the week of August 4, 2025 in St. Louis, MO. This year's Symposium theme is Building a Quality Culture as the Foundation for Reliable Data. For more information, please visit <https://www.envirosymposium.group/>.

2025 National Brownfields Training Conference, August 5-8, 2025, Chicago, IL.

The National Brownfields Training Conference is the largest event in the nation focused on environmental revitalization and economic redevelopment. Held every two years, the National Brownfields Conference attracts over 2,000 stakeholders in brownfields redevelopment and cleanup to share knowledge about sustainable reuse and celebrate the EPA brownfields program's success. For more information, please visit

<https://gobrownfields.org/>.

2025 Tribal Lands and Environment Forum, August 18-21, 2025, Minneapolis, MN and Online. The Tribal Lands and Environment Forum (TLEF) is a joint effort between the Institute for Tribal Environmental Professionals (ITEP), the Tribal Waste and

Response Steering Committee (TWAR SC), and US EPA's Office of Land and Emergency Management (OLEM). Topics for presentations should be related to TLEF's primary media: brownfields, underground storage tanks, Superfund sites and federal facilities, waste management and minimization, and emergency response. TLEF will also welcome proposals dealing with emerging contaminants, emerging technologies, habitat restoration, and indigenous justice in waste and response work. For more information, please visit <https://sites.google.com/view/tlef2025/home>

RemTech Europe 2025, September 15-19, 2025, Ferrara, Italy. RemTech Europe is an international conference on land and water remediation, environmental sustainability, and emerging technologies. The event will take place from September 15 to 19, 2025, with both in person and online participation options. Several short courses will be offered such as

- PFAS Introductory Training (ITRC) <https://forms.gle/TC4rxmvkACBQvcPx8>
- Site Assessment for Vapour Intrusion (ALGA) <https://forms.gle/GgeDUP3i2NrZy9hU8>
- Pump & Treat Optimization (ITRC) <https://forms.gle/mNo41mcmAtuPbRui8>
- Safe and efficient reuse of wastewater (DSTC, RIVM) <https://forms.gle/5RsZN6ya1n95agUr8>
- Sustainable Materials Reuse (CL:AIRE) <https://forms.gle/m1Rw4yT9Po6vbgsk8>
- Soil Passports for Demonstrating Circular Economy in Soil Reuse (CL:AIRE) <https://forms.gle/1J6ApXEnUrUdiuEE9>

For more information, please visit <https://remtechexpo.com/remtech-europe/>.

Call for Abstracts for the 6th ENSOr Workshop: Managing Emerging Contaminants for healthy soils: Are we ready?!, October 13-14, 2025, Brussels, Belgium. EmConSoil, OVAM's multi-stakeholder network on emerging soil contaminants, is excited to announce the call for abstracts for its upcoming workshop which will center around the evolving issue of emerging contaminants in soil and groundwater. The goal is to share knowledge, foster dialogue, and explore innovative approaches. For more information, please visit www.emconsoil.eu

Call for Abstracts and Moderators! Design and Construction Issues at Hazardous Waste Sites (DCHWS West), November 3-5, 2025, Denver, CO. The US EPA and Society of American Military Engineers (SAME) co-sponsor the DCHWS West which will be held in Denver, Colorado. The applications of engineering and science associated with cleaning up hazardous waste sites continue to evolve rapidly. The event's primary goal is to facilitate an interactive engagement between professionals from government and the private sector related to relevant and topical issues. Abstracts and moderator nominations are due July 18, 2025. For more information, please visit <https://sites.google.com/samephiladelphiapost.org/dchws/west-symposium/fall-2025-dchws>.

Registration Now Open! Global Summit on Environmental Remediation, November 4-6, 2025, Richland, WA. This conference is organized by the Center for the Remediation of Complex Sites (RemPlex) in cooperation with the International Atomic Energy Agency's ENVIRONET. The Global Summit will be held in person at Pacific Northwest National Laboratory in Richland, WA, with a virtual option. Remediation topics include resilience planning, characterization and monitoring, artificial intelligence, sustainability and circularity, data management, autonomous measurements, achieving end states, and more. For more information, please visit <https://www.pnnl.gov/projects/remplex/2025-summit>

NOTE: For TechDirect, we prefer to concentrate mainly on new documents and the Internet live events. However, we do support an area on CLU-IN where announcement of conferences and courses can be regularly posted. We invite sponsors to input information on their events at <https://clu-in.org/courses>. Likewise, readers may visit this area for news of upcoming events that might be of interest. It allows users to search events by location, topic, time period, etc.

If you have any questions regarding TechDirect, contact Jean Balent at (202) 566-0832 or balent.jean@epa.gov.

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