



TechDirect, July 1, 2024

Welcome to TechDirect! Since the June 1 message, TechDirect gained 40 new subscribers for a total of 43,937. 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.



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

Federal Facilities Online Academy: Federal Facility Five-Year Review - July 11, 2024, 1:00PM-3:00PM EDT (17:00-19:00 GMT). This webinar is a two-hour course that provides an overview of Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) five-year reviews. For more information and to register, see <https://www.clu-in.org/live>.

Evaluating and Integrating Cumulative Environmental Impacts in Superfund Human Health Risk Assessments - July 23, 2024, 3:00PM-4:30PM EDT (19:00-20:30 GMT). Superfund uses a risk-based decision framework to assess and manage human exposure to a release and the threat of a release in the environment from pollutants and contaminants. Executive Order 12898 requires EPA to identify and address, as appropriate, disproportionately high and adverse human health or environmental effects of its programs, policies and activity on minority and low-income populations to the greatest extent possible. This webinar will provide an overview of the following topics: Superfund risk assessment, chemical stressors, non-chemical stressors, Environmental Justice, screening tools, and Superfund site case studies. For more information and to register, see <https://www.clu-in.org/live>.

Overview of Radiation and Chemical Ecological Risk Assessment Models and Guidance for Contaminated Sites and Selected Default Input Parameters - July 25, 2024, 2:00PM-3:30PM EDT (18:00-19:30 GMT). To help meet the U.S. Environmental Protection Agency (EPA) Superfund program's mandate to protect human health and the environment from current and potential threats posed by uncontrolled hazardous substance (both radiological and non-radiological), pollutant, or contaminant releases, the Superfund program has developed an ecological risk assessment process as part of its remedial response program. This webinar will describe the process and results from a research project concerning factors that could

potentially attribute to adverse ecological risk for biota due to radioactive contamination in soil or water at or near Superfund sites. This project reviewed models and guidance on assessing protection of biota to exposures from contamination at sites issued or recommended by federal, state, and foreign governments. For more information and to register, see <https://www.clu-in.org/live>.

Federal Facilities Online Academy: Role of Superfund Performance Measures - August 8, 2024, 1:00PM-3:00PM EDT (17:00-19:00 GMT). This webinar is a two-hour course that will identify the role of performance measures, including environmental indicators, how to justify their status, and how to achieve an under-control status at Superfund sites. For more information and to register, see <https://www.clu-in.org/live>.

> New Documents and Web Resources

ITRC Releases Microplastics Outreach Toolkit! The Interstate Technology & Regulatory Council (ITRC) is excited to announce the release of their new Microplastics Outreach Toolkit! The ITRC Microplastics Team created this toolkit as a companion to the ITRC Microplastics Guidance to help regulators and others explain issues surrounding microplastics to a variety of audiences. The toolkit includes general information on outreach along with fact sheets, presentations and other outreach items aimed at different audiences. Materials are targeted toward the general public, the regulatory and scientific community, and decision makers in a variety of sectors. To learn more, visit <https://mp-toolkit.itrcweb.org/>.

Electrokinetic Enhanced In Situ Remediation Engineering Issue Paper (EPA/600/R-23/329, May 2024). EPA-ORD's Engineering Issue Papers (EIPs) are a series of technology transfer documents that summarize the latest information on selected waste treatment and site remediation technologies and related issues and present it in a conveniently accessible manner to the user community. EIPs are designed to help remedial project managers (RPMs), on-scene coordinators (OSCs), contractors, and other contaminated sites technical staff and site managers understand the type of data and site characteristics that are needed to evaluate a technology for a specific site, as well as ways to design and optimize a technology for a particular application. This latest EIP summarizes the current knowledge on electrokinetic (EK)-enhanced in situ remediation technologies that are available for addressing contaminants in low-permeability (low-k) subsurface environments where conventional hydraulic delivery technologies often face challenges. View or download from https://cfpub.epa.gov/si/si_public_record_Report.cfm?dirEntryId=361645&Lab=CESER

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://www.clu-in.org/products/tins/>. The following resources were included in recent issues:

- New Concept of "Release-Capture-Destruction" to Enable Remediation of PFAS in Source Zone Soils
- Electrokinetic (EK) Enhanced In Situ Remediation

EUGRIS Corner. New Documents on EUGRIS, the platform for European contaminated soil and water information. More than 4 resources, events, projects and news items were added to EUGRIS in June. These can be viewed at <http://www.eugris.info/whatsnew.asp> . Then select the appropriate month and year for the updates

in which you are interested.

> Conferences and Symposia

Environmental Measurement Symposium (EMS) - Garden Grove, CA, August 5-9, 2024. The EMS is the combined meeting of the Forum on Environmental Accreditation and the National Environmental Measurement Conference (NEMC). The theme of the 2024 symposium is Reliable Data for Sound Decision Making. The Conference will include: a Technical Program featuring oral and poster presentation, an Exhibit Program showcasing the latest innovations in environmental monitoring, and an Innovative New Technology Showcase. For more information and to register, please visit <https://envirosymposium.group>

Tribal Lands and Environment Forum (TLEF) - Eugene, OR, August 12-15, 2024. This is the fourteenth annual forum for environmental professionals from Tribes, USEPA, State/Local/Federal agencies, community organizations, and other interested parties to meet, share knowledge, and learn from one another how to improve management, protection, and restoration of Tribal lands for us and all our relations. This forum will be held in person and online. For more information and to register, please visit <http://nau.edu/tlef2024>

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. Remember, you may subscribe, unsubscribe or change your subscription address at <https://clu-in.org/techdirect> at any time night or day.

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