TechDirect
April 1, 2026

Welcome to TechDirect! Since the March 1st message, TechDirect gained 27 new subscribers for a total of 37,059. 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.

Please feel free to reply to this email or share your comments online with feedback on your utilization of the TechDirect service or recommendations for future editions.

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.

Announcements

Interstate Technology & Regulatory Council (ITRC) Accepting New Project Team Proposals. ITRC invites any agency, organization, company, or individual to submit a Project Team proposal that addresses an environmental challenge and helps ITRC achieve their mission of reducing barriers to the deployment of innovative environmental technologies. Proposals must be submitted by 5:00 PM ET on May 29, 2026, to be considered for a 2027 Project Team. For more information, see https://itrcweb.org/submit-proposals/

Upcoming Live Internet Seminars

ITRC: PFAS Sorption Based Technologies for Separation & Concentration of PFAS from Water Training - April 7, 2026, 1:00PM-3:00PM EST (17:00-19:00 UTC). Removal of PFAS from water has become an important concern for water utilities; landfill operators; industry professionals; and state, local, and tribal decision makers. Sorption-based technologies, specifically granular activated carbon, ion exchange resins, and foam fractionation have proven to be effective solutions in this area, but choosing the most suitable sorption-based method or system configuration can be daunting. To aid treatment practitioners, the ITRC PFAS team published a technical guidance document titled "Sorption-based Technologies for Separation and Concentration of PFAS from Water" (Section 18 of PFAS-1). This training module is intended to assist in using the information presented in this document by providing an overview of the central topics along with easily digestible summaries of critical information. This training will be crafted for an audience with some basic understanding of PFAS and that has likely already attended the PFAS 101 training and the ITRC PFAS Beyond the Basics: Fate and Transport, Site Characterization, and Source ID training. For more information and to register, see https://www.itrcweb.org or https://www.clu-in.org/live.

Federal Facilities Academy: Community Involvement at Federal Facilities - April 22, 2026, 1:00PM-3:00PM EDT (17:00-19:00 UTC). Community Involvement at Federal Facilities is a two-hour webinar course that focuses on community involvement requirements, resources, and techniques available for Federal Facilities being cleaned up at National Priorities List (NPL) sites under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). By taking the course, participants will achieve the following objectives: Learn about community involvement requirements under CERCLA; Understand the roles of the lead federal agency and the Environmental Protection Agency (EPA) in public involvement at Federal Facilities; Discover resources and tools available for community involvement activities; Explore community involvement techniques and approaches that can be used at Superfund sites; and, Identify community involvement opportunities throughout the Superfund process at Federal Facilities. For more information and to register, see https://www.clu-in.org/live.

ITRC: Understanding Vapor Intrusion - Introductory Concepts & Fundamentals - A Two Part Series Training - April 30 and May 12, 2026, 1:00PM-3:00PM EDT (17:00-19:00 UTC). The Vapor Intrusion 101 training series provides an overview of vapor intrusion (VI) and presents information from the 2026 ITRC VI Toolkit (which includes fact sheets, technology information sheets, and checklists). This course introduces participants to the fundamentals of vapor intrusion, the process by which vapor-forming chemicals in contaminated soil or groundwater volatilize and migrate into buildings. The course will discuss sources, pathways, and receptors. It will identify and assess VI risks in various settings (residential, commercial, industrial) and familiarize participants with regulatory frameworks and guidelines (e.g., USEPA, state-specific regulations). The participants will gain working knowledge of how to develop a Conceptual Site Model (CSM), design and implement sampling strategies, establish data quality objectives (DQOs), and conduct data and risk evaluations. It will provide an overview of mitigation strategies, including various closure strategies, land use covenants, and institutional controls. For more information and to register, see https://www.itrcweb.org or https://www.clu-in.org/live.

ITRC: Pump & Treat Optimization Training, May 5, 2026 - 1:00PM-3:00PM EDT (17:00-19:00 UTC). ITRC's Pump & Treat (P&T) Optimization training aims to summarize existing information and best practices while also developing a systemic and adaptive optimization framework specifically for P&T well-network design and management. P&T systems have been one of the most commonly used methods for hydraulic containment and treatment of contaminated groundwater at sites with large groundwater plumes. This method cleans up groundwater contaminated with dissolved chemicals by pumping groundwater from wells to an above-ground treatment system that removes the contaminants. Optimization of P&T remedies is important for maintaining contaminant removal effectiveness throughout the operation lifetime and managing the system toward an exit strategy. A strategy for routine optimization of P&T remedies is key for maintaining the contaminant removal efficiency of these systems. The Pump & Treat Optimization Training will provide a roadmap for optimizing a P&T system and refining the remedial strategy or shifting toward another remedial

approach. For more information and to register, see https://www.itrcweb.org or https://www.clu-in.org/live.

NAVFAC Open Environmental Restoration Resources (OER2): Lessons Learned from In Situ Per- and Polyfluoroalkyl Substances (PFAS) Sequestration, May 6, 2026 - 3:00PM-4:15PM EDT (19:00-20:15 UTC). This webinar will provide an overview of in situ sequestration approaches for PFAS, including commonly used amendments and application methods. Drawing from case studies, the webinar will highlight key lessons learned from implementing a range of PFAS sequestration strategies. For more information on the OER2, see https://exwc.navfac.navy.mil/Products-and-Services/Environmental-Security/NAVFAC-Environmental-Restoration-and-BRAC/Training/OER2-Webinars/. To register for this event, see https://events.dod.teams.microsoft.us/event/eab5ed3a-80cb-4ac3-9321-69d4ebbf7d06@e3333e00-c877-4b87-b6ad-45e942de1750

New Documents and Web Resources

Superfund Accomplishments Report Fiscal Year 2025. The report celebrates the program's most notable achievements in FY25 — recognizing that we can only capture a fraction of the countless accomplishments delivered by EPA's dedicated staff and partners. The FY 2025 Superfund Metrics highlight our program's successes by the numbers. View the report and metrics at https://www.epa.gov/superfund/superfund-accomplishments-report-fiscal-year-2025.

DOE's Savannah River National Laboratory (SRNL) Using Innovative Artificial Intelligence and Machine Learning Applications. SRNL's Environmental Management and Legacy Management directorate is employing AI to solve challenging environmental problems. This includes the AI Accelerated Strategies and Solutions in Environmental Technology, or AI-ASSET, initiative. AI-ASSET is based on an existing project known as the Advanced Long-Term Environmental Monitoring Systems, or ALTEMIS, which has been used to predict the behavior and movement of contaminated groundwater plumes. Sensors embedded around the plume use geochemical, hydrological and geophysical data to passively monitor and predict contaminant movement. View the article about this project at https://www.srnl.gov/matter_magazine/innovative-artificial-intelligence-and-machine-learning-applications-at-srnl/

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 resources were included in recent issues:

- Ascorbic Acid Stability and PH Testing to Support RWM-018 Pilot Scale Wellhead Treatment System Feasibility Determination
- In Situ Verification and Quantification of Naturally Occurring Dechlorination Rates in Clays: Demonstrating Processes That Mitigate Backdiffusion and Plume Persistence Final Report
- PFAS Destruction Technology Demonstrations

Conferences and Symposia

2026 ITRC Annual Meeting - April 20-22, 2026, Salt Lake City, UT. The meeting will feature an opening reception, dedicated working sessions for our Project Teams, and program-specific meetings. For more information and to register, see https://itrcweb.org/2026-annual-meeting/.

2027 National Brownfields Training Conference - Call for Ideas and Save the Date, May 25-28, 2027, Salt Lake City, UT. The Call for Ideas continues through May 31, 2026. Submit your ideas for dynamic educational sessions that explore the latest and greatest tools, methods, trends and case studies in brownfields redevelopment and revitalization. For more information and to submit ideas, see https://gobrownfields.org/.

Call for Abstracts! RemTech Europe 2026, September 14-18, 2026, Ferrara, Italy. RemTech Europe 2026 International Conference and Exhibition on land and water remediation markets and technologies is scheduled for September 14-18, 2026 with in person and virtual participation options. The conference is free to attend. The call for abstracts is open with submissions from private companies due by June 30, 2026. To learn more about the event and submit and abstract, see https://remtechexpo.com/wp-content/uploads/2026/02/CallForAbstracts_REMTECH-EUROPE_2026_rev1.pdf

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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