

## Message #41: July 2000

Since June 1, TechDirect gained 222 new subscribers for a total of 8726. Welcome to everyone just joining the TechDirect community. As always, we welcome any feedback you have on this service. You may email me directly or leave your comments in the CLU-IN guest book at <http://clu-in.org/gbook.cfm> . Here are the documents we found for you this month.

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.

### ***Documents and Netcast Presentations***

**Innovative Remediation Technologies: Field-Scale Demonstration Projects in North America, 2nd Edition (EPA 542-F-00-001)**. This report was published by the U.S.EPA Technology Innovation Office. It is a revision and expansion of Completed North American Innovative Technology Demonstration Projects, the project information in the new document is now available in an online, searchable database of ongoing and completed field demonstrations of innovative remediation technologies sponsored by government agencies working in partnership with private technology developers to bring new technologies into the hazardous waste remediation marketplace [May 2000, 142 pages]. View or download at <http://clu-in.org/techpubs.htm> . For hard copies, contact (800) 490-9198 or (513) 489-8190 or fax to (513) 489-8695. You may also search the online database at <http://clu-in.org/products/nairt> .

**Abstracts of Remediation Case Studies, Volume 4 (EPA 542-R-00-006)**. This report contains abstracts of 78 cost and performance case studies produced by the Federal Remediation Technologies Roundtable. These 1-2 page abstracts describe a wide variety of ex situ and in situ treatment technologies for soil and groundwater. The case studies provide varying levels of detail, reflecting the differences in the availability of data and information [June 2000, 194 pages]. View or download at <http://www.frtr.gov/publications/abstractsvol4.pdf> . For hard copies, contact (800) 490-9198 or (513) 489-8190 or fax to (513) 489-8695.

**FRTR Cost and Performance Remediation Case Studies and Related Information (EPA 542-C-00-001)**. This CD ROM was

produced by the member agencies of the Federal Remediation Technologies Roundtable (FRTR). The CD contains 218 cost and performance reports about full-scale remediation projects and large scale demonstrations. The new additions include processes for phytoremediation and bioremediation; treatment of Dense Non Aqueous Phase Liquids (DNAPLs); a variety of in situ processes including electrokinetics and permeable reactive walls; and technologies for the separation and stabilization of radioactive contaminated soil and debris. The case studies are in a searchable database at <http://www.frtr.gov/cost> . The CD ROM is available at (800) 490-9198 or (513) 489-8190 or fax to (513) 489-8695.

**An Analysis of Barriers to Innovative Treatment Technologies: Summary of Existing Studies and Current Initiatives (EPA 542-B-00-003).** This report was published by the U.S.EPA Technology Innovation Office. It presents a summary of existing studies of barriers that have historically impeded the successful commercialization of innovative treatment technologies. The goal of this report is to help ITT providers understand the types of barriers that may challenge the development and full commercialization of ITTs by presenting reasons beyond market forces that inhibit development of ITTs and their routine use [March 2000, 87 pages]. View or download at <http://clu-in.org/techpubs.htm> . For hard copy, contact (800) 490-9198 or (513) 489-8190 or fax to (513) 489-8695.

**Tech Trends (EPA 542-N-00-003).** Tech Trends is a quarterly newsletter that provides descriptions and performance data for innovative source control technologies that have been applied in the field. This issue highlights various technologies in use to characterize or remediate soil contamination at federal facility sites [May 2000, 4 pages]. View or download at <http://clu-in.org/techpubs.htm> . For hard copy, contact (800) 490-9198 or (513) 489-8190 or fax to (513) 489-8695.

**Groundwater Currents (EPA 542-N-00-004).** Groundwater Currents is a quarterly newsletter that provides descriptions and performance data for developments in innovative ground water treatment. This issue highlights field results of a zero-valent iron permeable reactive barrier and laboratory work on development of subsurface biofilm barriers. Also featured are laboratory and pilot-scale work using in situ biotreatment to enhance the effectiveness of cosolvent extraction processes. View or download at <http://clu-in.org/techpubs.htm> . For hard copy, contact (800) 490-9198 or (513) 489-8190 or fax to (513) 489-8695.

**Oil Spill Program Update (EPA 540-R-00-001).** The May issue of the Oil Spill Program Update offers highlights of the recently held

Freshwater Spills Symposium in Albuquerque, New Mexico. One of the major themes of the symposium was the development of partnerships and coordination of prevention planning and response efforts among federal agencies, states, tribes, local communities, and industry [May 2000, 12 pages]. View or download the Update at <http://www.epa.gov/oilspill/docs/index.htm> . The agenda and abstracts from the spills conference are available from <http://www.epa.gov/oilspill/fss/> . For hard copies of the Oil Spill Update, contact Beatriz Oliveira at [oliveira.beatriz@epa.gov](mailto:oliveira.beatriz@epa.gov) .

**In Situ Thermal Technologies Netcast.** On June 7, 2000, the U.S. EPA Technology Innovation Office sponsored a netcast of the In Situ Thermal Seminar that was held in Boston. This conference featured eight presentations focused on different methods of introducing heat to the subsurface for vadose and groundwater source zone remediation. The slide presentations and accompanying audio files from that conference are NOW POSTED on CLU-IN and may be accessed anytime. You may listen to the rebroadcast while viewing the presenters' slides on the web. See <http://clu-in.org/thermal> .

**Fundamental Research of Mercury Contamination: Transferring Technology to Develop Solutions Netcast.** The Hazardous Substance Research Center/South & Southwest sponsored this workshop on October 25-26, 1999. The slide presentations and accompanying audio files are posted on the HSRC-SSW website and may be accessed anytime. You may listen to the rebroadcast while viewing the presenters' slides on the web. See <http://www.hsrc.org/hsrc/html/ssw/> and click on the Audio Lectures button. For more information, contact Mark Hodges at [mark.hodges@qtri.gatech.edu](mailto:mark.hodges@qtri.gatech.edu).

## ***Conferences and Symposia***

**Risk-Based, Least-Cost, Groundwater-Remediation Design Short Course, August 8-11, Burlington, VT.** The University of Vermont will present a short course for those responsible for the design or redesign of risk-based, cost-effective groundwater remediation systems. The course provides the background and training to use provided state-of-the-art interactive computer-graphics programs, non-linear programming algorithms and flow and transport models that will assist in the least-cost design of risk-based pump-and-treat systems. Further information can be obtained by calling Ms. Dawn Densmore at 802 656-5477 or visiting <http://www.rcgrd.uvm.edu/>.

**EPA National Environmental Monitoring Technology Conference, September 19-20, Boston, MA.** This U.S. EPA-sponsored conference promises a comprehensive offering of

environmental monitoring and related technologies, programs, and applications that will be beneficial to businesses, government agencies, communities, and non-profit organizations. It is germane to all technology vendors and suppliers, industry, federal, state and local agencies, academia and the interested public who have a common interest in forming partnerships to advance the design and use of new environmental monitoring solutions and identify better ways of sharing this information with their clients or the public. For agenda and registration information, see

<http://www.epa.gov/region01/ra/empact/conference/index.html> .

**ITRC/RTDF/EPA In Situ Permeable Reactive Barriers: Application and Deployment, Chicago, July 25-26.** The training course is designed to assist professionals in the regulatory community in overseeing the design, implementation, and monitoring of groundwater remedies that involve the deployment of permeable reactive barriers. Industry professionals and consultants will benefit from the updated technical information presented as well as the interaction with regulators and other professional colleagues. For more information, please visit <http://www.trainex.org/prb> Next offering Kansas City, MO, September 12-13.

### ***Technology Developers Note!!***

EPA New England's Center for Environmental Industry & Technology (CEIT) established a monthly listserve called EnvirotechNews to facilitate the connection between environmental technology developers and potential technology users, such as facilities which have been subject to recent enforcement actions. EnvirotechNews summarizes recent EPA New England enforcement actions under the heading, Technology Opportunities. Technology developers are invited to reply via email and their responses are forwarded to the potential technology users. EnvirotechNews also contains information on business opportunities (upcoming solicitations from federal agencies), and future technology needs. Occasionally, special editions are issued due to time sensitive enforcement announcements. To subscribe, send an e-mail to [lyris@lists.epa.gov](mailto:lyris@lists.epa.gov) with a blank subject line. The body of the message must be: subscribe envirotechnews [your first name] [your lastname]. For example, subscribe envirotechnews Maggie Theroux. If you should have any questions or problems as you sign up, please call Maggie Theroux at 1-800-575-CEIT or 617-918-1783.

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