

Message #42: August 2000

Since July 1, TechDirect gained 173 new subscribers for a total of 8817. 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.

Upcoming Internet Seminars

Permeable Reactive Barrier Walls. This live internet seminar is designed to introduce participants to three documents created by the ITRC's Permeable Reactive Barrier Walls Technical Team and the Remediation Technologies Development Forum (RTDF) Bioremediation Consortium titled, "Regulatory Guidance for Permeable Barrier Walls Designed to Remediate Chlorinated Solvents", "Regulatory Guidance for Permeable Reactive Barriers Designed to Remediate Inorganic and Radionuclide Contamination" & "Design Guidance for Application of Permeable Barriers to Remediate Dissolved Chlorinated Solvents". The training focuses on the basic information one needs to determine and document the conditions necessary to effectively apply a permeable reactive barrier to a contaminated zone to be an effective part of remediating chlorinated solvents, radionuclides and other inorganic compounds in ground water. The 2 hour 15 minute seminar will be held August 30, September 26, October 11, and November 2. To participate you must reserve a phone line or simulcast port at <http://clu-in.org/conf/itrc> .

New Documents

FY00-FY01 Superfund Reforms Strategy (OSWER Directive 9200.0-33). On July 7, 2000, the U.S. EPA released its Superfund Reform Strategy for Fiscal Years 2000-2001. This highlights the accomplishments made through the three rounds of reforms and identifies several new areas for continuous program improvements (July 2000, 16 pages). View or download at <http://clu-in.org/techpubs.htm> .

Guide to Optimal Ground Water Monitoring. This report was

prepared for the U. S. Naval Facilities Environmental Service Center. It was developed for Navy Remedial Project Managers (RPMs) to ensure that their monitoring programs are designed and periodically optimized to cost-effectively support their monitoring goals. The objective of this guidance document is to provide information that Navy RPMs and their contractors can readily implement to: Design new monitoring programs that will achieve monitoring objectives cost effectively; and Optimize existing monitoring programs to reduce monitoring costs while maintaining program effectiveness (January 2000, 113 pages). View or download at <http://www.frtr.gov/optimization/>

Contractor Data Collection Requirements for Subsurface System Performance Evaluation: Ground Water Extraction. This document was produced by the U.S. Army Corps of Engineers. It provides model language to be inserted into the contract for operations and maintenance of ground water extraction and treatment systems. The clauses it contains are meant to assure that the contractor will gather data needed to adequately evaluate system performance and to allow optimization of the system. These Contractor Data Collection Requirements are meant to be tailored for the specific site/project conditions [June 2000, 6 pages]. View or download at http://www.environmental.usace.army.mil/rse_checklist.htm . (See hyperlink to Guide O&M Contract Clause.)

In Situ Flushing with Surfactants and Cosolvents. This report was prepared under grant for EPA by Lauryn Strbak, a National Network of Environmental Management Studies fellow. It is intended to provide a basic summary and current status of in situ flushing technologies using surfactants and cosolvents. It contains information gathered in the summer of 1999 from a range of available sources, including project documents, reports, periodicals, Internet searches, and personal communication with involved parties [July 2000, 36 pages]. View or download at <http://clu-in.org/techpubs.htm> .

Permeable Reactive Barriers for Inorganics. This report was prepared under grant for EPA by Nichole Ott, a National Network of Environmental Management Studies fellow. This report is intended to provide a basic summary and current status of permeable reactive barriers for inorganics. It contains information gathered during the summer of 1999 from a range of available sources, including project documents, reports, periodicals, Internet searches, and personal communication with involved parties [July 2000, 63 pages]. View or download at <http://clu-in.org/techpubs.htm> .

Explosives Detection Technology Verification Reports. Two explosives detection technologies, which detect and measure

explosives in soil and groundwater, have been jointly verified by EPA's ETV Program and DoD's Environmental Security Technology Certification Program (ESTCP). The technologies were developed by Barringer Instruments, Warren, NJ; and Research International, Inc., Woodinville, WA. Verification reports for the Barringer Instruments - GC-IONSCAN (EPA600-R-00-046) (March 2000, 59 pages) and the Research International, Inc. - FAST 2000 (EPA600-R-00-045) (March 2000, 48 pages) are available at <http://www.epa.gov/etv/verifprt.htm#02> .

Western Research Institute: Contained Recovery of Oily Wastes (CROW) Process (EPA 540-R-00-500). This report presents performance and economic data from a Superfund Innovative Technology Evaluation (SITE) Program demonstration of the Contained Recovery of Oily Wastes (CROW) process. The demonstration evaluated the technology's ability to treat subsurface accumulations of oily wastes. The results of bench- and pilot-scale testing of the technology are presented as appendices to this report (March 2000, 112 pages). View or download at <http://www.epa.gov/ORD/SITE/reports/crowwhole.pdf> . For hard copy, contact (800) 490-9198 or (513) 489-8190 or fax to (513) 489-8695.

DNAPLS: Review of Emerging Characterization and Remediation Technologies (DNAPLs-1). This report was prepared by the Interstate Technology Regulatory Cooperation (ITRC) workgroup. The purpose of the document is to educate regulators and project managers about the DNAPL problem and spotlight a selection of emerging characterization and remediation technologies for DNAPLs (June 2000, 81 pages) View or download at <http://www.itrcweb.org/DNAPL-1.pdf> . For hard copies, contact Elaine Specht at (540) 557-6071 or Elaine_Specht@wpi.org .

Emerging Technologies for Enhanced In Situ Bionitrification (EISBD) of Nitrate-Contaminated Ground Water (EISBD-1). This report was prepared by the Interstate Technology Regulatory Cooperation (ITRC) workgroup. The purpose of the document is to describe the pervasiveness of the nitrate-contaminated ground water in the United States, create awareness associated with environmental and health problems, and provide an overview of EISBD (June 2000, 73 pages). View or download at <http://www.itrcweb.org/EISBD-1.pdf> . For hard copies, contact Elaine Specht at (540) 557-6071 or Elaine_Specht@wpi.org .

State Programs to Cleanup Drycleaners. This report was prepared by members of the State Coalition for the Remediation of Drycleaners. It is the result of a survey of state programs and focuses on three main areas: General administrative issues; Fee/fund solvency issues; and Benefits associated with the various

programs. They collected information on the number of sites in the various state programs, the remediation stage of those sites, the system for prioritizing sites, the fee system, the fee structure itself, average fees, deductibles and insurance coverage, revenues collected, fund balances, benefits of participation, limit of funds, and requirements of facility owners or operators (May 2000). View at

<http://drycleancoalition.org/survey> .

Study of Assessment and Remediation Technologies for Drycleaner Sites. This report was prepared by members of the State Coalition for the Remediation of Drycleaners. Its objective is to provide program and project-specific information concerning contaminants, general costs, innovative technologies, cleanup standards, and guidance documents. The information is to be made available to the regulatory community to aid their review of proposals, work plans, reports, and fund reimbursement requests. The private consulting industry should also find the information useful to learn about the results of technologies that are operational or have been tested at various sites throughout the United States (May 2000). View at <http://drycleancoalition.org/tech/> .

Conferences and Symposia

Visitor's Day at the Dover National Test Site, August 29, Dover DE. This one-day event is sponsored by several organizations including the National Environmental Technology Test Sites Program. The objective is to promote collaboration among researchers to accelerate the pace of remediation technology development and deployment. For more information and to register for the Visitor's Day, contact Mary Winstead at mary.winstead@dover.af.mil or (302) 677-4147.

Accelerated Bioremediation of Chlorinated Solvents, September 19-20, Boston, MA. This training course is being offered by the Interstate Technology Regulatory Cooperation (ITRC) Workgroup and the Remediation Technologies Development Forum (RTDF). The course will examine the roles of site characterization, modeling, design, monitoring and regulatory interaction in applying in-situ engineered bioremediation. Lecture, case studies, hands-on exercises and structured discussion sessions will be used to give students knowledge and information that can be put to use immediately. Next offering, San Antonio, TX, October 19-20. For agenda and registration information, see <http://www.itrcweb.org/> (Under training).

ITRC 2000 Fall Conference: New Environmental Technologies and Market Opportunities, October 16-20, San Antonio, TX. The

2000 ITRC Fall Conference will include an audience of state environmental officials; federal representatives from EPA, DoD, and DOE; and industry and citizen stakeholders. The conference will provide an opportunity for the exchange of information on new technologies, planning, and management. At the conclusion of the conference the ITRC will announce those areas in which work teams will be formed for 2001.

Brownfields 2000, October 11-13, Atlantic City, NJ. The U.S. EPA, with the New Jersey Department of Environmental Protection and the New York Department of Environmental Conservation, sponsors this conference. During Brownfields 2000, we will tap into national and international research efforts and successful regional strategies to give the conference attendees both a greater knowledge and a greater capacity to return home and help revitalize their respective communities. Complete conference and registration information are available at <http://www.brownfields2000.org/> .

Upcoming Courses and Conferences. A popular feature of the CLU-IN front page is the listing of upcoming courses and conferences. It regularly contains information on 200 or more events sponsored by both public and private sector entities. It is searchable by date, topic, title, etc. We encourage you to consult this directory on a regular basis. If you are interested in having your event posted, you may submit information at <http://clu-in.org> . If you are planning an event, you may want to check here to see what other events might conflict with yours.

If you have any questions regarding TechDirect, contact Jeff Heimerman at (703) 603-7191 or heimerman.jeff@epa.gov. Remember, you may subscribe, unsubscribe or change your subscription address at <http://clu-in.org/techdrct> at any time night or day.