

Message #13: March, 1998

We have just completed the first full year of producing and delivering TechDirect. Since beginning this monthly E-mail service, TechDirect has announced the availability of around 120 new technical publications. We think that we are on track in delivering to your computer doorstep information relevant to your professional needs. As always, we welcome your input.

Since February 1, TechDirect has 175 new subscribers for a total of 4236. Welcome to all the newcomers. If your peers are interested in subscribing to TechDirect, they may do so on the Clean-Up Information (CLU-IN) home page at <http://clu-in.org>. If they do not have Internet access, your peers may subscribe by sending an E-mail message to lyris@lists.epa.gov, **do not type anything onto the "Subject" line**, and in the body of the message type: **subscribe TechDirect [First name] [Last name]**. All TechDirect's previous messages are archived on CLU-IN.

New Publications and Databases

Vendor Information System for Innovative Treatment Technologies (VISITT 6.0). The newest version of VISITT was released in February. VISITT 6.0 is a user friendly database of vendor-provided information on innovative treatment technologies. It contains cost and performance data on nearly 375 hazardous waste treatment technologies supplied by 214 vendors. Users may build unique searches based upon numerous criteria. Download from <http://clu-in.org/techpubs.htm>. A CD ROM with VISITT 6.0 and Vendor FACTS 3.0 will be available soon from (800) 490-9198 or (513) 489-8190 or fax your request to (513) 891-6685.

Vendor Field Analytical and Characterization Technology System (Vendor FACTS 3.0). This updated (released in February) Windows-based system provides information on field portable technologies for measuring and monitoring contaminated soil and groundwater. The database of vendors and their specific technology application and performance information (as provided by the vendors) can be searched by media, contaminants, technologies, vendors etc. to determine appropriate technologies and their availability for a specific site need. Version 3.0 contains information on 154 analytical, sampling, geophysical, and extraction technologies. Download from <http://clu-in.org/techpubs.htm>. A compact disc containing Vendor FACTS 3.0 and VISITT 6.0 will be available soon

from (800) 490-9198 or (513) 489-8190 or fax your request to (513) 891-6685.

Bioremediation Field Evaluation: Hill Air Force Base, Utah (EPA 540-R-97-505). This Office of Research and Development publication presents the findings of an evaluation conducted at Hill Air Force Base. The purpose of the study was to determine the effect of airflow injection rate on the effectiveness of bioventing in stimulating biodegradation of a JP-4 spill [May 1997, 13 pages]. Download this report and other bioremediation studies from <http://www.epa.gov/ORD/WebPubs/biorem/> (Note this URL is case sensitive). For hard copies, contact (513) 569-7562 or fax to (513) 569-7566.

Natural Attenuation of Chlorinated Volatile Organic Compounds in a Freshwater Tidal Wetlands, Aberdeen Proving Ground, Maryland, (Water Resources Investigation Report 97-4171). This report was produced by the U.S. Geological Survey in coordination with the U.S. Army Garrison, Aberdeen Proving Ground. The purpose of this report is to describe the natural attenuation of VOCs in a wetland study area. Biodegradation and sorption were found to be significant natural attenuation mechanisms for dechlorination [Fall 1997, 105 pages]. For copies, contact (303) 202-4700, the USGS Branch of Information Services, P.O. Box 25286, Denver, CO 80225-0286.

Phytoremediation of TCE in Groundwater Using Populus. This report was prepared under grant for EPA by Jonathan Chappell, a National Network of Environmental Management Studies fellow. The publication provides a basic understanding and current status of phytoremediation for shallow groundwater [February 1998, 54 pages]. View or download from <http://clu-in.org/techpubs.htm>.

Multi-State Evaluation of the Site Characterization and Analysis Penetrometer System. This report, developed by the Interstate Technology Regulatory Cooperation (ITRC) workgroup, examines states' concerns in accepting an innovative site characterization technology, and more specifically, the SCAPS-LIF sensor technology. Based on each state's level of involvement in the technology evaluation process, they were asked to identify concerns, if any, their state would have in accepting the technology [May 1996]. View or download from <http://www.itrcweb.org/>.

Presumptive Remedy Supplemental Bulletin: Multi-phase Extraction Technology for VOCs in Soil and Groundwater (EPA 540-F-97-004). This fact sheet was issued jointly by the U.S. EPA and the Air Combat Command of the U.S. Air Force. It is a supplemental bulletin for the VOC Presumptive Remedy. It is

intended to provide site managers with recent information that may be useful in making decisions about the specific type of extraction technology to employ at a VOC presumptive remedy site [April 1997, 10 pages]. Download from <http://www.epa.gov/superfund/oerr/techres/index.htm>. Hard copies available from (800) 490-9198 or (513) 489-8190 or fax your request to (513) 891-6685.

MTBE Fact Sheet #1: Overview (EPA 510-F-98-001). Developed by the EPA Office of Underground Storage Tanks, this fact sheet provides background information on MTBE and health concerns arising from its presence in soil and groundwater [January 1998, 5 pages]. Download from <http://www.epa.gov/swrust1/mtbe/mtbepubs.htm>. Hard copies available from (800) 490-9198 or (513) 489-8190 or fax your request to (513) 891-6685.

MTBE Fact Sheet #2: Remediation of MTBE Contaminated Soil and Groundwater (EPA 510-F-98-002). Developed by the EPA Office of Underground Storage Tanks, this fact sheet describes the physical and chemical characteristics of MTBE and identifies alternative technologies for remediating MTBE [January 1998, 5 pages]. Download from <http://www.epa.gov/swrust1/mtbe/mtbepubs.htm>. Hard copies available from (800) 490-9198 or (513) 489-8190 or fax your request to (513) 891-6685.

MTBE Fact Sheet #3: Use and Distribution of MTBE and Ethanol (EPA 510-F-98-003). Developed by the EPA Office of Underground Storage Tanks, this fact sheet describes the use of MTBE in EPA's Oxygenated Fuels and Reformulated Gasoline programs [January 1998, 3 pages]. Download from <http://www.epa.gov/swrust1/mtbe/mtbepubs.htm>. Hard copies available from (800) 490-9198 or (513) 489-8190 or fax your request to (513) 891-6685.

Technical Assistance Directory: Office of Research and Development (EPA 600-K-97-001). This publication was issued by the U.S. EPA Office of Research and Development. The programs, areas of expertise, and primary contacts in each of the major ORD operations are conveyed in this directory. An expertise index is also included [October 1997, 97 pages]. Download from <http://www.epa.gov/ORD/WebPubs/tad97/>. For hard copies, contact (513) 569-7562 or fax to (513) 569-7566.

The Technology Innovation News Survey. This feature on CLU-IN (updated every two weeks) contains market/commercialization information; reports on demonstrations, feasibility studies and research; and other news relevant to the hazardous waste community interested in technology development. The bi-weekly updates are posted as a service to our stakeholders who do not

have enough time to read the numerous environmental technology news magazines. Every other week we summarize articles in which we believe you might be interested. View or download from

<http://clu-in.org/new1.cfm>.

Conferences and Symposia

Advances in Innovative Groundwater Remediation Conference, May 6, San Francisco, CA. This one day event, sponsored by the Ground Water Remediation Technologies Analysis Center (GWRTAC), will highlight recent advances in *in situ* groundwater remediation. The conference is open and free to all. It will highlight recent demonstrations and technology advances in areas such as phytoremediation, treatment walls, surfactants/cosolvents, and dynamic stripping/hydrous pyrolysis. For agenda information and a registration form, contact <http://www.gwrtac.org>. Provide registration information to karen_devlin@philip-serv.com or contact (215) 643-5466.

Reminder!! Innovative Technologies for Site Assessment and Monitoring Workshop, March 30, Boston, MA. This workshop is intended to bring together for hands on training state regulators, engineering contractors, site owners and individuals involved in Brownfield's cleanups. Participants will receive valuable information on the operation, cost, logistics and data acceptance issues. Limited travel assistance available for state and city employees. Contact ON-Site Insights, NHSRC/NJIT, 17 Glen Road, Wayland, MA 01778 or Dr. Andrea Kinney at (508) 358-3532, FAX (508) 358-5091 or E-mail to andreakinney@worldnet.att.net.

Announcements

Research grant opportunities from EPA. The EPA's National Center for Environmental Research and Quality Assurance (NCERQA) recently established a listserv to announce grant announcements, requests for applications (RFAs), and other notices as they become available. Current funding programs served by this list include: Science to Achieve Results (STAR) Grant Program; STAR Graduate Fellowship Programs; Small Business Innovation Research (SBIR) Program; Other assistance programs related to NCERQA. To subscribe to this list, send a message to Majordomo@envirosense.com with this text in the body of the message: subscribe announce. Detailed information on NCERQA's grant and fellowship programs can be found at <http://www.epa.gov/ncerqa>.

They've Moved on

The EPA headquarters staff responsible for coordinating the Environmental Technology Verification (ETV) program moved to a

new office in downtown Washington on February 28. Their new address is U.S. EPA ORD/ETV (8301D), 401 M Street S.W., Washington, DC 20460. The new telephone number is (202) 564-3211 and fax number is (202) 565-0075. For the ETV staff's new telephone numbers and other information, please refer to

<http://www.epa.gov/etv/>.

If you have questions or comments regarding TechDirect, please contact me at heimerman.jeff@epamail.epa.gov.

<http://clu-in.org/techdrct/td0398.htm>

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