

## Message #4: June, 1997

This is the fourth TechDirect message. Since the May 1 message, TechDirect has 166 new subscribers. To those of you new to us, welcome! If you feel the service is valuable, please share the information with your colleagues. 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>. All TechDirect's previous messages are archived on CLU-IN. Look for TechDirect the first of each month. As always, we welcome your feedback on the usefulness of this service.

### Now Available:

#### Publications:

**Design and Engineering: Soil Vapor Extraction and Bioventing (EM 1110-1-4001)** This manual developed by the U.S. Army Corps of Engineers provides practical guidance for the design and operation of soil vapor extraction (SVE) and bioventing (BV) systems. It is intended for people involved in any phase of SVE and bioventing projects. The manual describes current best practice for SVE and BV site characterization, system design, system start-up and operation [November 1995, 247 pages]. Copies are available from USACE Publications Depot, (301) 394-0084.

**Partnerships for the Remediation of Hazardous Wastes (EPA 542-R-96-006)** This brochure provides information on opportunities for entering in collaborative public-private technology development projects. These opportunities are of special interest to private sector partners interested in the development of new and innovative hazardous waste characterization and treatment technologies. The document briefly describes the background, current activities, future plans, and contacts of the Technology Innovation Office's four main partnerships [December 1996, 12 pages]. Download from <http://clu-in.org/techpubs.htm#June>. For hard copies, contact (800) 490-9198.

**The Bioremediation Action Committee Fact Sheet (EPA 542-F-96-031)** This fact sheet provides interested parties with information on the structure and mission of the BAC. The BAC tackles much of its research through subcommittees, the two most active being alternative endpoints and natural attenuation. The fact sheet also the BAC's mission, goals, and contacts [May 1997, 2 pages]. Download from <http://clu-in.org/techpubs.htm#June>. For hard copies, contact (800) 490-9198.

## ***Technology Verification***

**The U. S. EPA's Environmental Technology Verification Program (EPA 600-F-97-005)** This brochure, produced by the ORD ETV Program, outlines EPA's 12 technology verification pilot programs [May 1997, 2 pages]. Three new pilots are being initiated - Source Water Protection, Climate Change, and Metal Finishing. EPA will issue solicitations shortly for verification partners for these pilots. The Advanced Monitoring Systems, Air Pollution Control and Wet Weather Flow pilots are currently evaluating proposals for partners. The six operational pilots are Drinking Water Systems, Site Characterization and Monitoring, Pollution Prevention and Waste Treatment Systems, Pollution Prevention through Improved Coatings, Indoor Air Products, and an Independent Entity Pilot. The brochure, the Environmental Technology Verification Program Strategy, and additional information on ETV are available at <http://www.epa.gov/etv>, or call Sarah Bauer at 202-260-1819.

**ETV Consortium for Site Characterization Technologies - Schedule of Events** The CSCT schedule for verification demonstrations is now viewable at <http://www.epa.gov/etv>. The CSCT will be conducting verification demonstrations for 6 classes of field technologies: soil and soil gas sampling, groundwater sampling, well-head monitoring, PCB analysis, and field extraction. See schedule for information on Visitor Days.

## ***Ground Water Technologies***

**Environmental Research Brief: Characterization of Organic Matter in Soil and Aquifer Solids (EPA 600-S-97-001)** This paper, published by the Office of Research and Development, evaluates analytical methods to determine and characterize fractions of subsurface organic matter [April 1997, 11 pages]. For hard copies, contact (800) 490-9198.

**Technology Evaluation Report: Surfactants/Cosolvents (TE-96-02)** This report prepared for the Ground-Water Remediation Technologies Analysis Center (GWRTAC) provides a state-of-the-art review of the use of surfactants/cosolvents for *in situ* flushing. Information used to prepare this report was gathered primarily from peer-reviewed papers and publications. The report contains a description of the technology and information on applicability, performance, cost, regulatory issues, lessons learned and general references. Download from <http://www.gwrtac.org> or call GWRTAC at 1-800-373-1973.

## **Technology Overview Report: In-Well Vapor Stripping**

**(TO-97-01)** This report prepared by GWRTAC provides an introduction to the general principles of the in-well vapor stripping technology, its performance, advantages and limitations to use, and references. Download from <http://www.gwrtac.org> or call GWRTAC at 1-800-373-1973.

### ***Meetings and Workshops***

**"Advances in Innovative Ground-Water Remediation Technologies,"** a free one-day conference, will be held on July 31, 1997 at the Warwick Hotel in Philadelphia, Pennsylvania. The conference is being sponsored by the Ground-Water Remediation Technologies Analysis Center (GWRTAC) with EPA TIO. The morning session will focus on Multi-Stakeholder Initiatives in Advancing Ground-Water Remediation, and will include presentations by AATDF, SERDP, RTDF, and others. The afternoon session will focus on Recent Developments/Applications in Ground-Water Remediation Technologies, and will include discussions on phytoremediation, treatment walls, natural attenuation, and others. Registration is required as seating is limited. Register by faxing or e-mailing your name, company/organization, address, telephone, fax number and E-mail address to: Kim Beidler, Philip Environmental, JACA Division, Tel: 215-643-5466, Fax: 215-643-2772 or E-mail: [jacamail@voicenet.com](mailto:jacamail@voicenet.com).

**Brownfields '97, September 3-5, Kansas City, Missouri.** This conference is intended for those interested in the assessment, cleanup, redevelopment, financing, and revitalization of Brownfields communities. Registration is open, but space is limited. It is requested that all registrations be made in advance and no later than August 4, 1997. For more information, contact the Brownfields '97 toll-free hotline at 1-888-795-4684.

If you have any questions or comments concerning TechDirect, please contact Jeff Heimerman at (703) 603-7191 or

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<http://clu-in.org/techdrct/td0697.htm>  
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