

## Message #27: May, 1999

Since April 1, TechDirect gained 263 new subscribers for a total of 6351. Welcome to all the newcomers! We hope this service continues to be beneficial. Let us know your ideas for its improvement.

**Editorial Note.** Periodically we get feedback from subscribers that one or two of the links we provide will not work. Typically, we get this feedback from subscribers whose E-mail system does not allow the listed URL addresses to be hotlinked. In those instances, subscribers often block and copy an address from the text of the message into their browser. Because most of the URLs listed in TechDirect's entries are located at the end of sentences, they are followed by a period (.). The period has been the cause of the problem. Please, if you run into a problem with a URL that does not work, try it again making sure to eliminate the period.

### EPA Guidance

**Use of Monitored Natural Attenuation at Superfund, RCRA Corrective Action, and Underground Storage Tank Sites, OSWER's Policy Directive (No. 9200.4-17P).** Now available as a Final Directive! This Directive provides guidance to EPA staff, to the public, and to the regulated community on how EPA intends to exercise its discretion in implementing national policy on the use of Monitored Natural Attenuation for the remediation of contaminated soil and groundwater at sites regulated under Office of Solid Waste and Emergency Response (OSWER) programs. View or download from <http://www.epa.gov/swerst1/directiv/d9200417.pdf>. For hard copies contact The EPA RCRA, Superfund, OUST & EPCRA Hotline at (800) 424-9346 or DC Area Local (703) 412-9810 or TDD (800) 553-7672 or TDD DC Area Local (703) 412-3323 Monday through Friday between 9:00 a.m. and 6:00 p.m. EDT.

### Databases and Documents

**EPA REACHIT.** If you are familiar with EPA's downloadable remediation and characterization vendor databases (VISITT and Vendor FACTS) and our technology applications database (Innovative Treatment Technologies), they are now combined in a searchable Internet-based (i.e., no downloading) system called

REACH IT. The REmediation And CHaracterization Innovative Technologies system is a source of information on the availability, performance, and applications of remediation and characterization technologies. EPA REACH IT is intended to assist remediation professionals in their treatment, characterization, and monitoring decision-making process by tracking the deployment of technologies and identifying firms that provide assessment and remediation services. EPA REACHIT is located at <http://www.epareachit.org>.

**Ground Water Currents (EPA 542-N-99-002).** This EPA quarterly newsletter provides descriptions and performance data for developments in innovative ground water treatment. This issue features innovative permeable reactive barriers used to remediate contaminated ground water [March 1999, 4 pages]. View or download at <http://clu-in.org/techdrct/techpubs.htm>. Hard copies available from (800) 490-9198 or (513) 489-8190 or fax your request to (513) 891-6685.

**Subsurface Containment and Monitoring Systems: Barriers and Beyond.** This report was prepared under grant for EPA's Technology Innovation Office by Leslie Pearlman, a National Network of Environmental Management Studies fellow. The publication provides an overview of subsurface barriers - vertical and horizontal - with an emphasis on the emerging and innovative vertical barrier technologies. It is not intended to be an inclusive report; it merely provides an overview of the existing work in the field on subsurface barrier technologies. The information was gathered from a range of available sources, including project documents, reports, periodicals, Internet searches, and personal communication with involved parties [March 1999, 68 pages]. View or download at <http://clu-in.org/techdrct/techpubs.htm>.

**Bibliography of Field Applications of Permeable Reactive Barrier Technology.** This bibliography was produced by the Remediation Technologies Development Forum (RTDF). It lists approximately 200 citations related to field applications of barrier walls. The bibliography is searchable by author, title, abstract, and the site to which the citation applies. To access the bibliography, see <http://www.rtdf.org/public/permbarr/barrdocs.htm>. **Note that this site also contains 1-2 page profiles of selected pilot and full scale permeable reactive barrier applications**

**Emerging Technology Summary Report: Simultaneous Destruction of Organics and Stabilization of Metals in Soils (EPA/540/SR-98/500).** This document was published by EPA Superfund Innovative Technology Evaluation (SITE) Program. The EPA National Risk Management Research laboratory conducted a laboratory evaluation of the Sulchem process to treat soils

contaminated with organic hydrocarbons and heavy metals. The Sulchem process mixes the contaminated media with elemental sulfur at elevated temperatures in an inert reactor system [July 1998, 10 pages]. View or download at <http://www.epa.gov/ORD/SITE/reports/sr98500.html>. For hard copies, contact (800) 490-9198 or (513) 489-8190 or fax your request to (513) 891-6685.

**Draft Treatability Test for Evaluating the Potential Applicability of the Reductive Anaerobic Biological In Situ Treatment Technology (RABITT) to Remediate Chloroethenes.** This report was published under the Environmental Security Technology Certification Program (ESTCP). The protocol describes a comprehensive approach for conducting a phased treatability test to determine the potential for employing RABITT at any specific sites [February 1998, 94 pages]. View or download from

<http://www.estcp.org/documents/techdocs/index.cfm>.

**International Oil Spill Conference Proceedings (API Publication No. 4684 A).** This CD-ROM is sponsored by the US Coast Guard, U.S. EPA, American Petroleum Institute, et al. It contains conference abstracts for the International Oil Spill Conferences since 1969 and full text proceedings from the conferences in 1995, 1997, and 1999. The CD-ROM is available for \$30 from API, contact (202) 682-8375.

**The Oil Spill Program Update (Vol. 2 No. 3).** This publication is issued quarterly by the U.S. EPA Oil Spill Program. This issue highlights EPA Region V Oil Spill program activities and an article on Oil Spill Prevention and the Millennium Bug [April 1999, 12 pages]. See <http://www.epa.gov/oilspill/docs/epaupd7.pdf> or for hard copies, contact Beatriz Oliveira at [oliveira.beatriz@epa.gov](mailto:oliveira.beatriz@epa.gov).

## Conferences and Symposia

**1999 Conference on Hazardous Waste Research, St. Louis, Missouri, May 25-27, 1999.** This conference is sponsored by the Great Plains/Rocky Mountain Hazardous Substance Research Center. It will highlight several broad areas of hazardous waste research including brownfields redevelopment and contaminated sediments as well as industrial and mine- contaminated soils and groundwater. Case studies, demonstration projects, and research findings surrounding technical and institutional issues will also be included. Oral and poster presentations, panel discussions, and training workshops on these topics will be presented with an eye toward strengthening existing partnerships and developing new alliances to promote simple, cost-effective compliance, cleanup, and integration of hazardous sites. Additional information about the

conference is available on the Great Plains/Rocky Mountain HSRC web site at <http://www.engg.ksu.edu/HSRC>. For additional information, please call Carla Wolfe at (785) 532-7464.

**[Reminder!!] Subsurface Remediation: Improving Long-Term Monitoring and Remedial Systems Performance, St. Louis, MO, June 8-11, 1999.** This conference is sponsored by member agencies of the Federal Remediation Technologies Roundtable. The objectives are to highlight successes and issues related to improving the performance of subsurface remediation technologies, showcase practical approaches to cost-effective monitoring of remedial performance, and to identify research needs from current practice. For agenda and registration information, see

<http://www.clu-in.org/products/moreinfo/subsurf.htm>.

**Innovative Technologies for Site Assessment and Monitoring Workshop, Princeton, NJ, June 8-9.** This one and a half day 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](mailto:andreakinney@worldnet.att.net).

**WTQA '99, Arlington, Virginia, July 18 - 22.** The 15th Annual Waste Testing and Quality Assurance Symposium will be held at the Crystal Gateway Marriott Hotel in Arlington, VA with the theme being, Preparing for Change Under PBMS. The conference will be preceded and followed by short courses. Hosted by the Waste Policy Institute and US EPA, the three day conference will begin with a plenary session on July 19th followed by concurrent technical sessions on July 20 - 21, 1999. In addition to regular technical sessions on quality assurance, organic and inorganic chemical analysis, six special PBMS Issue Sessions focus on PBMS Status, Contracting, Laboratory Management, Scientific and Legal Defensibility, Field and Laboratory Implementation, and Laboratory Auditing and Accreditation. The deadline for advanced registration has been extended to June 15, 1999. Complete program information and on-line registration form is available on the Internet at <http://www.wpi.org/wtqa> and any questions may be asked by sending a fax to 540-557-6043, attention Dr. Larry Keith.

If you have any questions or comments about TechDirect, please contact Jeff Heimerman at (703) 603-7191 or [heimerman.jeff@epa.gov](mailto:heimerman.jeff@epa.gov).