

## Message #19: September, 1998

Since August 1, TechDirect gained 145 new subscribers for a total of 4813. 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/techdrct>. If they do not have Internet access, your peers may subscribe to TechDirect by sending an E-mail message to [lyris@lists.epa.gov](mailto:lyris@lists.epa.gov). Leave the Subject line empty, and in the body of the message type: subscribe TechDirect [First name] [Last name]. Visit the TechDirect archive at <http://clu-in.org/techdrct/> to catch up on documents previously highlighted. For anyone interested, we have posted a rough breakout of the TechDirect subscribers, at <http://clu-in.org/techdrct>.

### ***EPA Guidance***

**Clarification Regarding Use of SW-846 Methods**, (Memorandum from the U.S. EPA Office of Solid Waste dated August 7, 1998). SW-846 contains the analytical and test methods that EPA has evaluated and found to be among those acceptable for testing under subtitle C of the Resource Conservation and Recovery Act (RCRA). In most situations, SW-846 functions as a guidance document setting forth acceptable, although not required, methods to be implemented by the user, as appropriate, in responding to RCRA-related sampling and analysis requirements. The memorandum sets forth the guidance as a clarification to SW-846 for reference and distribution to the States and to other interested parties, including laboratories and the regulated community [August 1998, 21 pages]. View or download from <http://clu-in.org/techpubs.htm>. For hard copies, contact (800) 424-9346 or (703) 412-9810.

### ***Documents and Compact Discs***

**Information Resources for Innovative Remediation and Site Characterization Technologies (EPA 542-C-98-003)**. This new CD ROM is produced by the U.S. EPA Technology Innovation Office (TIO). It assembles in one place, most of the publications and databases produced by TIO over the last few years. It operates on Windows 3.1 and Windows 95 Systems [July 1998]. For copies of the CD ROM, contact (800) 490-9198 or (513) 489-8190 or fax your request to (513) 891-6685.

### **Site Remediation Technology InfoBase: A Guide to Federal**

**Programs, Information Resources, and Publications on Contaminated Site Cleanup Technologies (EPA 542-B-98- 006).**

This document was prepared by member agencies of the Federal Remediation Technologies Roundtable [August 1998, 70 pages]. View or download from <http://clu-in.org/techpubs.htm>. For copies, contact (800) 490-9198 or (513) 489-8190 or fax your request to (513) 891-6685.

**Technology Summary Report: In Situ Flushing (TI-98-01).** This report was developed by the Ground Water Remediation Technologies Analysis Center (GWRTAC). GWRTAC continually compiles laboratory-, pilot-, and full-scale case study information for a variety of innovative in situ technologies for ground-water and soil remediation. This report provides a "snapshot" of the contents of GWRTAC's "living" database on in situ flushing case studies to provide the reader with basic information on activity in laboratory research, field demonstration, or full-scale application of this technology. A variety of tables, graphs, and interpretive text is presented to analyze the content of the GWRTAC database as of August 7, 1998. View or download at [http://www.gwrtac.org/html/tech\\_misc.html#FLSH08071998](http://www.gwrtac.org/html/tech_misc.html#FLSH08071998).

**Cumulative Risk Assessment Guidance-Phase I Planning and Scoping (Memorandum and Guidance Document).** The practice of risk assessment within the Environmental Protection Agency (EPA) is evolving away from a focus on the potential of a single pollutant in one environmental medium for causing cancer toward integrated assessments involving suites of pollutants in several media that may cause a variety of adverse effects on humans, plants, animals, or even effects on ecological systems and their processes and functions [July 1997, 14 pages]. View or download at <http://www.epa.gov/swerosps/bf/gdc.htm#risk>.

**Aerobic Cometabolic In Situ Bioremediation Technology Guidance Manual and Screening Software Users Guide.** This document, prepared by the U.S. Air Force, provides information on the use of aerobic cometabolic in site bioremediation as a technology for the treatment of groundwater contaminated with chlorinated aliphatic hydrocarbons [June 1998, 82 pages]. Previously located at <http://en.afit.af.mil/env/insitubio.htm>.

**Case Studies on Environmental Emergencies (Volume 4).** This report was developed by the University of Virginia under cooperative agreement with the U.S. EPA. It contains 16 case studies based upon actual, significant chemical spills or incidents that occurred in the U.S. [August 1995, 257 pages]. Volumes 1-3 are out of print, a limited supply of Volume 4 is available first come. Contact Ann Eleanor at [eleanor.ann@epamail.epa.gov](mailto:eleanor.ann@epamail.epa.gov).

**Technology Developers and Vendors Note!!!** We are beta testing a new **Vendor Support** area on CLU-IN. The purpose of the Vendor Support area is to direct technology developers and vendors to funding sources and technical support for all stages of product development, from bench-scale to full implementation and commercialization. We have tried to identify public and private programs and resources to assist vendors with: Market Analysis, Research and Development, Testing and Demonstration, Permitting and Regulatory Assistance, Marketing Assistance, and Contracting Opportunities. We hope to make improvements based on the comments registered by users. See <http://clu-in.org/vendweb/vendrspt.cfm>.

**Heads Up!! Small Business Innovation Research Grants.** EPA plans to issue the 1999 SBIR Phase I solicitation on September 17, 1998. The solicitation will be placed on the EPA Office of Research and Development website, <http://es.epa.gov/ncerqa/sbir/>, prior to that date. Proposals will be due November 19, 1998. EPA encourages interested parties to download the solicitation from the website. If you are unable to download the solicitation from the internet you may request a hard copy by sending a fax with your name and address to SBIR Program Manager, 202-565-2447.

## ***Conferences and Symposia***

**VOC Recovery Seminar, Cincinnati, OH, September 16-17.** The U.S. EPA's Office of Research and Development (ORD) in cooperation with the U.S. Department of Energy, the American Institute of Chemical Engineers and the AIChE affiliated Center for Waste Reduction Technologies are sponsoring this seminar at the Vernon Manor Hotel in Cincinnati, Ohio. The purpose of this seminar is to bring together researchers, technology developers and industry representatives for a free, two-day seminar on VOC recovery. The focus will be on specific VOC recovery needs and on case studies that summarize effective VOC product recovery techniques applicable to air, water and solid waste. The case studies will highlight examples which have resulted in significant cost savings to industry. For additional information and registration, contact SAIC at 513/569-5861, fax: 513/569-5864. Register online at <http://www.epa.gov/tbnrml>.

**1998 Federal Facilities Conference, Reno, NV, September 14-16.** This conference is designed for Federal Agency and Facility Administrators, Environmental Managers, Environmental Compliance Officers, and other state, tribal, and local decision makers. Its purpose is to provide the latest information about environmental regulations, technology, compliance, planning,

cultural, and natural resources. For more information, visit:

[http://www.epa.gov/region09/cross\\_pr/fedfac/index.html](http://www.epa.gov/region09/cross_pr/fedfac/index.html).

**Brownfields '98: The Basics and Beyond Showcasing Successful Partnerships, Los Angeles, November 16 - 18.**

Brownfields '98 will provide unparalleled networking opportunities, bringing all major stakeholders in brownfields cleanup and redevelopment together under one roof. Brownfields '98 is your chance to meet with experts in brownfields business, development, finance, insurance, and law; representatives from grassroots community organizations and environmental groups; and top federal, state, and local government officials, to share ideas and experiences in this exciting and ever expanding field. Brownfields '98 has something for everyone -- it offers brownfields "beginners" the best possible way to learn the basics, and brownfields "experts" an opportunity to learn about the latest policy initiatives, projected trends, cutting-edge approaches to cleanup and redevelopment, and the newest brownfields technologies and services from the foremost experts in the field. For more information on Brownfields '98, please call the Brownfields '98 Conference Toll Free Hotline at 1(877)838-7220.

**Risk-Based Decision-Making Facilitating Real Estate Transactions and Brownfield Redevelopments, Chicago, IL, September 28-29.** Come to meet your environmental peers and see how risk-based cleanups have been successfully applied to financial transactions and brownfield redevelopment; learn how to build a streamlined and technically defensible risk-based clean up program. Focus on how Great Lakes States are doing it as case studies for the nation. For more information, visit: <http://www.rtmcomm.com/Calendar.HTM>.

**The Immunochemistry Summit VII and the Third Workshop on Biosensors and Biological Techniques in Environmental Analysis Symposium**, will be held December 1-3, 1998. This joint meeting is sponsored by the U.S. Environmental Protection Agency, the International Association of Environmental Analytical Chemistry, and the UNLV Harry Reid Center for Environmental Studies. The meeting will be held in Las Vegas at the Palace Station Hotel. For registration information, contact Kathy Lauckner at (702) 895-1423 (or e-mail: [lauckner@hrc.nevada.edu](mailto:lauckner@hrc.nevada.edu)). For technical program information, contact Dr. Jeanette M. Van Emon at (702) 798-2154 (or e-mail: [vanemon.jeanette@epamail.epa.gov](mailto:vanemon.jeanette@epamail.epa.gov)).

Remember -- 486 Days and Counting!! Ensure Public confidence. Test all of your waste management systems for Y2K compliance. We have assembled some web based resources that may help you identify possible failure scenarios and point to to sources of

assistance. Previously archived at <http://www.clu-in.org/y2k.htm>.

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

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<http://clu-in.org/techdrct/td0998.htm>  
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