

## Message #6: August, 1997

This is the sixth TechDirect message. Since the July 1 message, TechDirect has 210 new subscribers. To those of you new to us, welcome! Every month we hope to provide you with information on remediation and site characterization technologies that is current and relevant to your jobs. If you feel the service is valuable, please share TechDirect 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.

### Publications

**Cleaning Up the Nation's Waste Sites: Markets and Technology Trends, 1996 Edition (EPA 542-R-96-005).** This study updates and expands a 1993 analysis that brought together for the first time valuable information on site characteristics, market size, and other factors that affect the demand for remediation services. The study addresses the future demand for remediation services in all major U.S. cleanup programs [July 1997, 253 pages]. The executive summary is available as a stand alone document [23 pages]. Both documents may be viewed or downloaded from <http://clu-in.org/techpubs.htm#August>. Hard copies available from (800) 490-9198.

**Bioremediation in the Field Search System (Version 2.1).** This updated PC-based software, provides access to a database of information on waste sites in the United States and Canada where bioremediation is being tested or implemented, or has been completed. Version 2.1 currently contains information on over 460 bioremediation sites. The database spans both full-scale efforts and treatability studies, and includes data on location, media and contaminants treated, *ex situ* and *in situ* technologies, costs, and performance. Download from <http://clu-in.org/techpubs.htm#August>. Order diskettes from (513) 569-7562.

**Bibliography of Phytoremediation Resources.** This bibliography is the work of the EPA Phytoremediation Handbook Team in conjunction with the RTDF Phytoremediation Action Team. The list of over 865 citations includes peer reviewed journal articles, newspaper stories, presentations and posters from conferences, and book chapters [July 97, 60 pages]. View from <http://www.rtdf.org/public/phyto/bib/default.cfm>.

### Engineering Bulletin: Separation/Concentration Technology

**Alternatives for the Remediation of Pesticide Contaminated Soil (EPA 540-S-97-503).** This bulletin produced by EPA's Office of Research and Development, focuses on soils and current or soon-to-be available separation/concentration remediation technologies [May 1997, 15 pages]. Hard copy, contact (800) 490-9198.

**Engineering Forum Issue Paper: Thermal Desorption Implementation Issues (EPA 540/F-95/031).** This issue paper identifies issues and summarizes experiences with thermal desorption as a remedy for volatile organic compounds in soils. The issues presented reflect discussions with over 15 project managers and technical experts [January 1997, 8 pages]. Download from <http://clu-in.org/techpubs.htm#August>. Hard copy, contact (800) 490-9198.

**Engineering Forum Issue Paper: Soil Vapor Extraction Implementation Issues (EPA 540/F-95/030).** This Issue paper produced by the EPA Engineering Forum, identifies issues and summarizes experiences with Soil Vapor Extraction (SVE) as a remedy for volatile organic compounds in soils. The issues presented reflect discussions with over 30 project managers and technical experts [January 1997, 10 pages]. Download from <http://clu-in.org/techpubs.htm#August>. Hard copy, contact (800) 490-9198.

**Uncertainty Management: Expediting Cleanup Through Contingency Planning.** This guide describes techniques for managing project uncertainty through decision rules and contingency planning. This document was issued jointly by DOE and EPA [February 1997, 4 pages]. Download from <http://tis-nt.eh.doe.gov/oepa>.

**Expediting Cleanup Through Contingent Removal Actions.** This fact sheet provides a concise description of the components and application of contingent removal actions to streamline remediation of recurrent site problems. This document was issued jointly by DOE and EPA [March 1997, 2 pages]. Download from <http://tis-nt.eh.doe.gov/oepa>.

## **Mailing lists**

The Bioremediation Discussion Group at <http://biogroup.gzea.com> consists of a moderated mailing list that serves over 1,300 environmental scientists/engineers worldwide. The BioGroup was developed to be a global forum for discussion of intrinsic bioremediation (natural attenuation) and enhanced bioremediation. If you are interested in being added to the list server, sign up at <http://biogroup.gzea.com/membership.asp>. There is no fee for membership.

## **Conferences**

**Brownfields '97.** EPA is hosting Brownfields '97 on September 3-5, 1997 in Kansas City, Missouri. It will bring together a wide range of stakeholders to foster effective partnerships that facilitate the revitalization of contaminated properties. For questions and registration information, contact the Brownfields '97 Conference Hotline at 1-888-795-4684.

**Recent Developments/Applications in Ground-Water Remediation Technologies.** The Ground Water Remediation Technologies Analysis Center will be hosting this session at the "Emerging Technologies in Hazardous Waste Management IX" meeting sponsored by ACS. The 1997 meeting will be held on September 15-17, 1997, at the Hilton Hotel in Pittsburgh, Pennsylvania. Presentations will describe emerging technologies for treating gaseous, liquid or solid hazardous wastes associated with a wide variety of industries. Presentations will span from fundamental research to demonstration programs for new technologies. This year's ACS meeting will be co-sited with Enviro Expo '97. For information on exhibiting or sponsorships for the Enviro Expo, call 404-355-4884 or fax 404-355-6765.

Look for TechDirect the first of each month. We welcome your feedback on the usefulness of this service. If you have any questions or comments, please contact Jeff Heimerman at

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<http://clu-in.org/techdrct/td0897.htm>  
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