

## Message #15: May, 1998

Since April 1, TechDirect has 113 new subscribers for a total of 4415. Please read the [note](#) at the end concerning changes of address.

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](mailto: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 at <http://clu-in.org/techdirect/>.

### EPA GUIDANCE

**Use of Soil Cleanup Criteria in 40 CFR Part 192 as Remediation Goals for CERCLA Sites. (EPA Directive # 9200.4-25).** This EPA memorandum addresses the use of the soil cleanup criteria in 40 CFR Part 192 when setting remediation goals at CERCLA sites with radioactive contamination. In particular, it clarifies the intent of 40 CFR Part 192 in setting remediation levels for subsurface soil. It does not address the applicability or intent of other standards contained in 40 CFR Part 192, nor does it address setting remediation goals for contaminated media other than soil [February 1998, 5 pages]. View or print from <http://www.epa.gov/superfund/oerr/techres/soil/cleanup.htm>. For hard copies, contact the RCRA/Superfund Hotline at (800) 424-9346 or (703) 412-9810.

**Clarification of Standards for Hazardous Waste Land Disposal Restriction Treatment Variance (Final Rule).** In December 1997, EPA finalized clarifying amendments to the rule authorizing treatment variances from the national Land Disposal Restrictions (LDR) treatment standards [December 1997, 7 pages]. View or print from <http://www.epa.gov/epaoswer/hazwaste/ldr/ldr-clar.htm#ldr-final>. For hard copies, contact the RCRA Hotline at (800) 424-9346 or (703) 412-9810.

### DOCUMENTS

**Bibliography for Innovative Site Clean-Up Technologies (EPA 542-B-98-001).** This updated bibliography provides information about EPA publications, programs, and resources dealing with innovative site clean-up technologies [March 1998, 12 pages]. Download or view at <http://clu-in.org/techpubs.htm>. Hard copies available from

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

**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.

**Compendium of Federal Facilities Cleanup Management Information (EPA 540-R-98-004).** This document was published by the EPA Federal Facilities Restoration and Reuse Office (FFRRO). It outlines key hazardous substance and waste remedy publications, guidance, CD-ROMs, and Internet home pages for remedial managers to use to guide their supervision of the remediation of hazardous waste sites [February 1998, 45 pages]. Download or view at <http://clu-in.org/techpubs.htm>.

**Expediting Clean-Up and Redevelopment of Brownfields: Addressing the Major Barriers to Private Sector Involvement -- Real or Perceived. This report was submitted to EPA by the Environmental Financial Advisory Board (EFAB).** This report was submitted to EPA by the Environmental Financial Advisory Board (EFAB). This report identifies what the EFAB believes are the major barriers (whether legal, financial, practical, real or perceived) that currently discourage or impede the private sector from participating in, and investing financial resources in the clean-up and redevelopment of, sites that are, or are potentially subject to, the legal jurisdiction of the Superfund program. The report focuses on four concerns that the EFAB found were most frequently identified by the private sector (e.g., real estate developers, bankers) as barriers to participation in redevelopment of "Brownfields: Crucial Linked Issues -- Delineating States' and EPA's Roles, and Determining Feasible Clean-Up Standards; Protecting Against Liability for Third-Party Claims; Utilizing Available Federal Financial Incentives; and Obtaining Priority Clean-Ups [December 1997, 15 pages]. View or download from <http://www.epa.gov/swerosps/bf/liab.htm>.

**Bioremediation Of Soils Using Windrow Composting (CEGS 02191).** This document, developed by the U.S. Army Corps of Engineers, covers the requirements for reductions of the

concentrations of organics in soil by bioremediation using windrow composting. This guide specification was developed based on the use of composted to treat explosives-contaminated soil. The same process is believed to be applicable to other organic contaminated soil [February 1998, 46 pages]. View or download at

<http://www.hnd.usace.army.mil/techinfo/>

. For hard copies, fax your name, address, and number of copies you want to the Corps of Engineers Publications Depot (301) 394-0084.

**Design Guidance for Application of Permeable Barriers to Remediate Dissolved Chlorinated Solvents.** This guidance manual was developed by the US Air Force Armstrong Laboratory/Enviroics Directorate with support from the Interstate Technology and Regulatory Cooperation (ITRC) workgroup. This guidance addresses design, emplacement, and monitoring of permeable barriers in various hydrogeologic settings [February 1997, 177 Pages]. Hard copies are available at cost from the National Technical Information Service at (800) 553-6847 or (703) 605-6000.

**A Guideline for Dynamic Workplans and Field Analytics: The Keys to Cost-Effective Site Characterization and Cleanup.** This report was developed by Tufts University in cooperation with U.S EPA Region I. A number of governmental, academic, and private sector organizations have articulated innovative strategies for performing hazardous site characterization and remediation in a more efficient and cost-effective manner. Certain basic elements are common to all these strategies, and the cost-effectiveness and practicality of this approach has been demonstrated in a number of settings. View or download at <http://clu-in.org/techpubs.htm>.

**Catalog of EPA Materials on Underground Storage Tanks (EPA 510-B-98-001).** This catalog, produced by the Office of Underground Storage Tanks (OUST), lists publications, videos, and software packages about underground storage tanks. It describes the items and tells you how to obtain them [March 1998, 32 pages]. Download from <http://www.epa.gov/swerst1/pubs/index.htm>. Hard copies available from (800) 490-9198 or (513) 489-8190 or fax your request to (513) 891-6685.

**EPA Oil Spill Program Update.** The April edition of the Oil Spill Program Update is now available. Some of the featured articles include a summary of the recent Freshwater Spills Symposium, recent highlights from the Office of Pipeline Safety and a Call for Research Proposals from the Oiled Wildlife Care Network [April 1998, 10 pages]. View or download at <http://www.epa.gov/oilspill/docs/index.htm>.

## Conferences and Symposia

**Reminder!! Innovative Technologies for Site Assessment and Monitoring Workshop, May 18, Snowbird, UT.** 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 email to [andreakinney@worldnet.att.net](mailto:andreakinney@worldnet.att.net).

**ConSoil '98, Edinburg, Scotland, May 17-21, 1998.** The Sixth International FZK/TNO Conference on Contaminated Soil will be held at the Edinburgh International Conference Centre (EICC) and will offer a platform to scientists and consultants, site owners, manufacturers and service providers, policy makers and administrators, remediation companies, banking and insurance companies to present and exchange news and knowledge. Contact Vicki Grant at ++44-141-553 1930 or Fax +44-141-552 0511. E-mail: [vicky@meetingmakers.co.uk](mailto:vicky@meetingmakers.co.uk) or visit the web site at <http://w3.fzk.de/consoil98/>.

**The First International Conference on Remediation of Chlorinated and Recalcitrant Compounds, Monterey, CA, May 18-21, 1998.** This new biennial conference will bring together scientists, engineers, regulators, and other environmental professionals from around the world to present their findings and discuss remediation approaches for sites contaminated by chlorinated solvents, explosives residues, chemical warfare agents, and other recalcitrant compounds. Contact The Conference Group, Inc. at (800) 783-6338 or Fax (614) 488-5747; E-mail: [102632.3100@compuserve.com](mailto:102632.3100@compuserve.com).

### Editorial

Every month we encounter between 20-30 undeliverable addresses. In some instances, it may be due to the addressees' servers being down that particular day. It may be that the addressees' have left their positions or that the addresses have changed. It could be some other undetectable problem in the ether. These are distinguishable from the few people who elect to unsubscribe.

Every month, we wrestle with what to do with the undeliverable addresses. In the past we deleted them. We have decided to leave them on the list for 2 additional deliveries. If the address remains undeliverable 3 months in a row, it will be deleted.

I bring this up because some subscribers have probably been deleted unknowingly. If so, we apologize. You should receive a message on or around the first of each month. If you ever come to the realization that you are no longer receiving TechDirect, it may be for one of the reasons mentioned above. Please help us keep current should your e-mail address change. Let me know of any inconsistencies you've encountered in the electronic delivery of TechDirect. Thank you.

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(703) 603-7191

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<http://clu-in.org/techdrct/td0598.htm>

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