

Message #9: November, 1997

This is the ninth TechDirect message. Since the October 1 message, TechDirect has 167 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. THIS IS LIKE SHAREWARE - PASS IT ON. 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.

Analysis of Selected Enhancements for Soil Vapor Extraction (EPA 542-R-97-007). This report provides an evaluation of the current status of SVE enhancement technologies. The five enhancement technologies evaluated in the report are air sparging, dual-phase extraction, directional drilling, pneumatic and hydraulic fracturing, and thermal enhancement. It discusses background and applicability; provides an engineering evaluation; evaluates performance and cost; provides a list of vendors; and presents recommendations for future use and applicability [September 1997, 258 pages]. Download from <http://clu-in.org/techpubs.htm#November>. Hard copies available from (800) 490-9198 or (513) 489-8190 or fax your request to (513) 891-6685.

Permeable Reactive Subsurface Barriers for Interception and Remediation of Chlorinated Hydrocarbon and Chromium (VI) Plumes in Ground Water (EPA 600-F-97-008). This document, prepared by U.S. EPA's Office Research and Development, concerns the use of barrier walls employing zero-valent iron as the reactive substrate. It includes specifications for selected reactive barrier installations [August 1997, 4 pages]. Download from <http://www.epa.gov/ada/download/fact/remediat.pdf>. Hard copies available from (405) 436-8651 or fax your request to (405) 436-8503.

EW WASTECH Series -- Innovative Site Remediation Technology: Design and Application Manuals. This seven book series, produced by the WASTECH Consortium builds upon their earlier Phase I series and focuses on the design and application of specific remediation technologies. These consensus-based engineering manuals are written and reviewed by experts in the respective technology areas. Three of the seven books are now available through the American Academy of Environmental Engineers (AAEE) at cost: Volume 2-Chemical Treatment; Volume

4-Stabilization/Solidification; and, Volume 5-Thermal Desorption. Hard copies only, contact AAEE at (410) 266-3390, fax (410) 266-7653 or email aaee@ea.net.

Straight Talk on Tanks: Leak Detection Methods for Petroleum Underground Storage Tanks and Piping (EPA 510-B-97-007).

This booklet, published by the EPA Office of Underground Storage Tanks, outlines federal regulatory requirements for leak detection. It also focuses on leak detection methods and special requirements for piping [September 1997, 28 pages]. Download from <http://www.epa.gov/swrust1/pubs/index.htm>. Hard copies available from (800) 490-9198 or (513) 489-8190 or fax your request to (513) 891-6685.

Underground Storage Tanks: Requirements and Options (EPA 510-F-97-005). This flyer, produced by the EPA Office of Underground Storage Tanks, alerts UST Owners and operators about their tank management obligations in advance of the December 1998 deadline [June 1997, 2 pages]. Download from <http://www.epa.gov/swrust1/pubs/index.htm>. For hard copies, contact (800) 490-9198 or (513) 489-8190 or fax your request to (513) 891-6685.

Are You Upgrading An Underground Storage Tank System? (EPA 510-F-97-009). This flyer, produced by the EPA Office of Underground Storage Tanks can help UST owners and operators make sound decisions about choosing tank integrity assessment methods and upgrading USTs to meet 1998 deadline requirements [August 1997, 2 pages]. Download from <http://www.epa.gov/swrust1/pubs/index.htm>. For hard copies, contact (800) 490-9198 or (513) 489-8190 or fax your request to (513) 891-6685.

Tech Trends Newsletter (EPA 542-N-97-005). This issue highlights the results of demonstrations of a number of innovative technologies and processes for site characterization [October 1997, 4 pages]. Download from <http://clu-in.org/techpubs.htm#November>. Hard copies available from (800) 490-9198 or (513) 489-8190 or fax your request to (513) 891-6685.

RCRA Permit Policy Compendium (PB-92-11170). This is a 13-volume set of reference documents for RCRA hazardous waste permitting policies and procedures. The Compendium consists of Headquarters' permitting policies and procedures and includes a Users' Guide, a Key Word Index, and reference memoranda, letters, Office of Solid Waste and Emergency Response (OSWER) Directives and other documents organized chronologically within subject categories. The Compendium is updated periodically to reflect new RCRA permitting policies and procedures. This version contains documents through December 31, 1996. Download from

<http://www.epa.gov/epaoswer/hazwaste/permit/compend.htm>. For hard copies of the Compendium, contact (800) 553-6847 or (703) 487-4650 fax request to (703) 321-8547.

Biennial Hazardous Waste Report (based on 1995 data) [August 1997]. The US EPA, in cooperation with the States, biennially collects information regarding the generation, management, and final disposition of hazardous wastes regulated under the Resource Conservation and Recovery Act of 1976 (RCRA), as amended. The report consists of six documents: Executive Summary (EPA 530-S-97-022)--an overview of national hazardous waste generation and management practices; National Analysis (PB97181499)--a detailed look at waste handling practices in the EPA regions, the states and at the largest facilities in the nation, including quantities of RCRA hazardous waste generation, management, shipments and receipts, and interstate imports and exports; State Detail Analysis (PB97181507)--a detailed look at each state's waste handling practices, including overall totals for generation, management, and shipments and receipts, as well as totals for the largest fifty facilities; List of Large Quantity Generators (PB97181473)--identifies every hazardous waste generator in the United States that reported itself to be a large quantity generator in 1995; List of Treatment, Storage and Disposal Facilities (PB97181481)--identifies every hazardous waste manager in the United States that reported itself to be a treatment, storage or disposal facility in 1995; and, State Summary (PB97181515)--provides a two-page overview of the generation and management practices of individual states. Each of the six documents may be downloaded from

<http://www.epa.gov/epaoswer/hazwaste/data/br95/index.htm>. For hard copies of the Executive Summary, contact (703) 412-9810. All documents with PB numbers may be ordered through NTIS at (800) 553-6847 or (703) 487-4650 or fax request to (703) 321-8547.

Conferences

Reminder!! Environmental Clean Up Technologies Conference: South Central Marketplace, New Orleans, LA, November 13-14, 1997. The U.S. Environmental Protection Agency, Technology Innovation Office is sponsoring this conference to provide specific information on current and projected business opportunities for environmental clean-up and characterization technologies at the State and Federal levels, the private sector, and international market. For additional information please contact: SAIC at (800) 783-3870 or jo-ann.m.saville@cpmx.saic.com.

Editor's Note

By now most of you have become familiar with the format. Because we get new subscribers all the time I feel compelled to have a consistent message at the front end. However, it is getting a bit dull. Any suggestions?

We are interested in your feedback on TechDirect. Has it been a useful resource? Has it led you to any information that has been timely and germane to your professional needs? Has it helped you learn about any electronic resources that you find particularly helpful?

If you have any questions or suggestions, contact Jeff Heimerman at heimerman.jeff@epamail.epa.gov.

<http://clu-in.org/techdrct/td1197.htm>
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