

Message #22: December, 1998

Since November 1, TechDirect gained 136 new subscribers for a total of 5168. Welcome to all the newcomers! We hope this service continues to be beneficial. Let us know your ideas for its improvement.

The Hazardous Waste Clean-Up Information (CLU-IN) homepage is switching to a new address at <http://clu-in.org>. The old address, <http://clu-in.org>, will continue to work for a few more months. Please update your bookmarks and links to the CLU-IN site to <http://clu-in.org>.

Now Available

Field Applications of In Situ Remediation Technologies: Chemical Oxidation (EPA 542-R-98-008). This report was published by the U.S. EPA Technology Innovation Office. The purpose of this document is to describe completed and ongoing pilot demonstrations and full scale applications of in situ chemical oxidation technologies for remediation of soil and ground water at waste disposal and spill sites [September 1998, 36 pages]. View or download at <http://clu-in.org/techpubs.htm>. Hard copies will be available in 3-4 weeks from (800) 490-9198 or (513) 489-8190 or fax your request to (513) 891-6685.

Quality Assurance Guidance for Conducting Brownfields Site Assessments (EPA 540-R-98-038). This document was developed by the U.S. EPA Office of Solid Waste and Emergency Response. It describes key principles and best practices for Brownfields site assessment quality assurance and quality control based on program experience. It is intended as a reference and is not a rulemaking. It serves to inform site managers of important quality assurance concepts and provides a roadmap for identifying the type and quality of environmental data needed to present a clear picture of a site's environmental condition [September 1998, 70 pages]. View or download at <http://clu-in.org/techpubs.htm>. For hard copies, contact (800) 490-9198 or (513) 489-8190 or fax your request to (513) 891-6685.

Cost and Performance Report: Chemical Extraction for Uranium Contaminated Soil. This report was prepared for the U.S. DOE under the Innovative Technology Remediation Demonstration (ITRD) program. The ITRD sponsored treatability studies at the DOE-Ashtabula, Ohio site. This report documents the projects activities, demonstration data and provides evaluation results on the operational cost and performance of this chemical extraction

technology [July 1998, 24 pages]. This document will be posted within three weeks at <http://www.em.doe.gov/itrd/>. For hard copies now, contact Mike Hightower at mmhight@sandia.gov or Jeff Kulpa at (440) 993-2046.

Innovative Technology Summary Report: Innovative Grouting and Retrieval (DOE/EM-0380). This report was published by the U.S. Department of Energy Subsurface Contaminants Focus Area. It reports cost and performance information from demonstrations of innovative grout/retrieval and subsurface stabilization technologies at the Idaho National Engineering and Environmental Laboratory [October 1998, 25 pages]. This document will be posted in the near future at <http://em-50.em.doe.gov>. For hard copies, contact diana.krop@em.doe.gov.

Innovative Technology Summary Report: Horizontal Wells (DOE/EM-0378). This report was published by the U.S. Department of Energy Subsurface Contaminants Focus Area. It reports cost and performance information from demonstrations of horizontal environmental wells at a number of DOE sites [September 1998, 23 pages]. This document will be posted in the near future at <http://em-50.em.doe.gov>. For hard copies, contact diana.krop@em.doe.gov.

Innovative Technology Summary Report: Surface Acoustic Wave/Gas Chromatography System for Trace Vapor Analysis (DOE/EM-0367). This report was published by the U.S. Department of Energy Subsurface Contaminants Focus Area. It reviews the performance and cost of the Model 4100 SAW/GC for analyzing vapor streams contaminated with volatile organic compounds (VOCs) [July 1998, 23 pages]. This document will be posted in the near future at <http://em-50.em.doe.gov>. For hard copies, contact diana.krop@em.doe.gov.

Conferences and Symposia

Reminder!! Advances in Innovative Groundwater Remediation, Atlanta, GA, December 15. This free event, sponsored by the Ground Water Remediation Technologies Analysis Center (GWRTAC), will be held at the Downtown Atlanta Marriott Marquis Hotel. The one day seminar will include presentations from practitioners involved in phytoremediation, treatment walls, in situ flushing, thermal stripping, in situ chemical oxidation, remediation of metals, and bioremediation. For an agenda and Registration information, see <http://www.gwrtac.org> or contact Karen Devlin at Karen_Devlin@philip-serv.com or (215) 643-5466.

Reminder!! In Situ Thermal Processes Seminar, Atlanta, GA December 16. This free event is sponsored by the U.S. EPA Technology Innovation Office and will be collocated at the Downtown Atlanta Marriott Marquis Hotel with the December 15

GWRTAC Groundwater seminar mentioned above. This one day seminar will focus on the fundamental principles, design considerations, limitations, and case studies for five in situ thermal processes. The technologies to be addressed include Dynamic Underground Stripping, Electrical Conductive Heating, Radio Frequency Heating, Six-Phase Electrical Heating, and In Situ Vitrification. Note...you may register for the December 15 and/or 16 event by contacting Karen Devlin at the address/phone number listed above.

TechnoVentions '98, Lake Buena Vista, FL, December 9-12. This conference will showcase innovative environmental technologies, particularly those of environmental characterization, monitoring and surveillance; create a forum for technology developers, users, and others looking for potential cross-discipline applications; and strengthen links between researchers, universities, private industry, and customers. For more information contact UCF Continuing Education at phone: 407-207-4920; fax: 407-207-4930; email: Techno98@bdm.com or visit: <http://www.technoventions98.com>.

Subsurface Barrier Technologies, Scottsdale, AZ, February 1-2, 1999. Topics to be discussed include: industry leaders share real-world experiences, monitoring barriers, improving the technology, low-cost treatments, developments in granular iron, and regulatory requirements. For more information, visit: <http://www.ibcusa.com/conf/barrier>.

Other

U.S. EPA SITE Program Solicitation. On October 30, the U.S. EPA Superfund Innovative Technology Evaluation (SITE) program issued a request for sites to host innovative technology demonstrations. The SITE program is interested in receiving responses from any site requiring cleanup, but has identified a number of soil and ground water priority areas. The solicitation period ends January 6, 1999. To view or download the completed solicitation package, see <http://www.epa.gov/ORD/SITE/hsa.pdf>. For hard copies, contact (513) 569-7271.

Superfund Basic Research Program. On November 17, the National Institute of Environmental Health Sciences (NIEHS) released its Request for Applications (ES99-001) for its Superfund Hazardous Substances Basic Research Program (SBRP). The SBRP is a university-based multidisciplinary program linking biomedical research with related engineering, hydrogeologic and ecological components. The principal investigator for an SBRP grant application must be affiliated with an accredited institution of higher education; project leaders or other participants for individual

research projects may reside in public or private organizations. NIEHS plans to hold two Applicant Information Meetings; one in San Diego, CA, December 10, and one in Research Triangle Park, NC, December 16. Prospective applicants should submit a letter of intent by January 29, 1999. For more information, see

<http://www.niehs.nih.gov/sbrp/home.htm> or email inquiries to bennett7@niehs.nih.gov.

Natural Attenuation Tool Kit. The purpose of the tool kit is provide one-stop shopping for professionals and students in the quest for information regarding natural attenuation processes and protocols. Links to technical papers, regulations and guidelines, software, physical-chemical properties of contaminants, conferences, and government agencies are included in the tool kit. The tool kit is a dynamic site that is constantly being updated with current information. The site is maintained by Julie Crosby. See

<http://members.aol.com/jacrosby1/home.htm>

If you have any questions regarding TechDirect, please contact me at heimerman.jeff@epa.gov or (703) 603-7191.

<http://clu-in.org/techdrct/td1298.htm>
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