

Message #31: September 1999

Since August 1, TechDirect gained 294 new subscribers for a total of 7087. Welcome to all the new subscribers! We hope this service continues to meet your needs.

Documents and Websites

Monitored Natural Attenuation of Chlorinated Solvents

(EPA/600/F-98/022). This fact sheet was developed by the EPA Kerr Environmental Research Laboratory. It explains what the term Monitored Natural Attenuation means when the term is used to describe a potential strategy to remediate a contaminated site. The fact sheet is written for an audience with little or no scientific background and was prepared to assist Federal and State regulators to educate the general public on complex environmental issue [May 1999, 3 pages]. View or download at

<ftp://ftp.epa.gov/pub/ada/fact/chl-solv.pdf> OR <http://clu-in.org/techpubs.htm> . For hard copies, contact Kay Cooper at cooper.kay@epa.gov or (580) 436-8651.

Monitored Natural Attenuation of Petroleum Hydrocarbons

(EPA/600/F-98/021). This fact sheet was developed by the the EPA Kerr Environmental Research Laboratory. It explains what the term Monitored Natural Attenuation means when the term is used to describe a potential strategy to remediate a contaminated site. The fact sheet is written for an audience with little or no scientific background and was prepared to assist Federal and State regulators in educating the general public on this complex environmental issue [May 1999, 3 pages]. View or download from

<ftp://ftp.epa.gov/pub/ada/fact/pet-hyd.pdf> OR <http://clu-in.org/techpubs.htm> . For hard copies, contact Kay Cooper at cooper.kay@epa.gov or (580) 436-8651.

Laser Fluorescence EEM for Cone Penetrometer Pollution Analysis (EPA 600-R99-041)

. This report was published by the EPA Kerr Environmental Research Laboratory. It describes the development and field deployment of a Laser Induced Fluorescence - EEM instrument mounted on a cone penetrometer truck in three field tests at two sites [June 1999, 172 pages]. View or download at

<ftp://ftp.epa.gov/pub/ada/reports/laserprobe.pdf> . For hard copies, contact Kay Cooper at cooper.kay@epa.gov or (580) 436-8651.

SITE Demonstration Bulletin: Performance Verification of Sediment Sampling Technologies (EPA 600-F98-008). This fact sheet was published by the Superfund Innovative Technology

Evaluation (SITE) Program. It describes demonstrations conducted to document performance of two sampling technologies [April 1999, 4 pages].

Sediments Research Website. This new web site has been developed by the EPA Hazardous Substance Research Center - South/Southwest. The purpose of the site is to bring together researchers and practitioners who are working in the sediment remediation field. The site has a growing number of technical papers, reports, and articles relating to various contaminated sediments articles. Sediments researchers and practitioners are invited to enter professional information about themselves, add bulletin board items, and submit technical papers for publication in the site's online library. See <http://www.sediments.org> . Please contact mark.hodges@qtri.gatech.edu if you have any comments or questions.

Technical and Regulatory Requirements for Enhanced In Situ Bioremediation of Chlorinated Solvents in Groundwater (ITRC/ISB-6). This document was published by the Interstate Technology and Regulatory Cooperation (ITRC) Work Group. It was developed to provide guidance to those considering the deployment of enhanced in situ bioremediation of chlorinated solvents in groundwater. It specifically deals with classes of remediation systems designed to remediate or prevent further migration of chlorinated solvents through use of enhancements to the subsurface environment to accelerate solvent biodegradation [December 1998, 122 pages]. View or download at <http://clu-in.org/techpubs.htm> .

Bibliography for Innovative Site Clean-Up Technologies: August 1999 Update (EPA 542-B-99- 004). This publication was produced by the EPA Technology Innovation Office. It contains references for over 300 documents, databases, and web sites related to field analytical and remediation technologies [August 1999, 16 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) 489-8695.

Guide to Preparing Superfund Proposed Plans, Records of Decision, and Other Remedy Selection Decision Documents (EPA 540-R-98-031). This guidance provides recommended formats and content for Superfund remedial action decision documents; clarifies roles and responsibilities of the U.S. EPA, Federal facilities, States, and Indian Tribes in developing and issuing decision documents; clarifies roles and responsibilities of stakeholders in the remedy selection process; and explains how to address changes made to proposed and selected remedies. This guidance addresses the Proposed Plan, the Record of Decision (ROD), the Explanation

of Significant Differences (ESD), and the ROD Amendment. The guidelines in this document are based upon the statutory requirements of CERCLA and the regulatory requirements established by the NCP. View or download at

<http://www.epa.gov/superfund/resources/remedy/rods/index.htm> .

Tech Trends (EPA 542-N-99-005). This technology update is produced quarterly by the Technology Innovation Office. It provides descriptions and performance data for innovative source control technologies that have been applied in the field. This issue highlights the use of innovative biological technologies for remediating sites with organic and metal contaminants in soils [August 1999, 4 pages]. View or download from <http://clu-in.org/techpubs.htm> . For hard copies, contact (800) 490-9198 or (513) 489-8190 or fax your request to (513) 489-8695.

Oil Spill Program Update. The Update is produced quarterly by the EPA Office of Emergency and Remedial Response. This issue focuses on Region 3 Oil Spill activities, proposed rules to amend the Federal Response Plan, new DOT breakout tank regulations, and Y2K information [July 1999, 12 pages]. View or download at <http://www.epa.gov/oilspill/docs/epaupd8.pdf> . For hard copies, contact oliveira.beatriz@epa.gov.

New Small Business Innovation Research (SBIR) Solicitation. EPA's SBIR Phase I Solicitation opened on August 11, 1999 and will close on October 13, 1999. The Solicitation is posted on the National Center for Environmental Research and Quality Assurance website at <http://es.epa.gov/ncercqa/sbir/2000sbir.html> . Questions regarding this solicitation may be directed to Kathryn Peele at peele.kathryn@epa.gov or contact the EPA SBIR Helpline at (800) 490-9194.

Conferences, Meetings and Symposia

Reminder!! On-site InSights, the Innovative Technologies for Site Assessment and Monitoring Workshop, Los Angeles, September 15-16. This workshop is intended to bring state regulators, engineering contractors, site owners and also individuals involved in Brownfield's cleanups together for hands on training. Participants will receive valuable information on the operation, cost, logistics and data acceptance issues of "real world" innovative technologies that are usable today. 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.

Planning Meeting. **Field Demonstration and Performance**

Verification Study of Technologies to Determine Total Petroleum Hydrocarbons in Soil. As part of the Superfund Innovative Technology Evaluation (SITE) Program, the U.S. EPA will be conducting a demonstration designed to verify the performance of commercial technologies which can be used for the identification and quantitation of various petroleum hydrocarbon fractions in soil. To explain the demonstration process to potential participants, an informational meeting will be held on September 15, 1999, at the EPA Laboratory in Las Vegas, Nevada. If you are interested in attending the September 15 meeting, contact Dr. Stephen Billets at billets.stephen@epa.gov as soon as possible.

11th National Technical Information Exchange (TIE) Workshop, Las Vegas, October 26- 28. You are invited to give a presentation at the Eleventh Technical Information Exchange (TIE) Workshop on October 26-28, 1999. Sponsored by the U.S. Department of Energy Office of Environmental Restoration and hosted by the Nevada Operations Office, the TIE Workshop is your opportunity to meet with peers to find answers to environmental restoration problems or to share solutions with them. For more information, visit

<http://www.em.doe.gov/tie/elvntie.html>.

Innovative Clean-Up Approaches: Investments in Technology Development, Results & Outlook for the Future, Chicago area, November 2-4. The conference is being sponsored by the US EPA Office of Research and Development (ORD) and the Technology Innovation Office (TIO). The conference will provide an opportunity for stakeholders and partners to share the most recent information about the status of these efforts, evaluate success of past efforts, and discuss future research and information needs. Stakeholders will also learn of opportunities to participate in EPA-sponsored programs, such as the SITE and Brownfields Programs. Agenda, logistics and registration information are posted at <http://www.epa.gov/ttbnmr1> .

If you have any questions reagarding TechDirect, contact Jeff Heimerman at (703) 603-7191 or heimerman.jeff@epa.gov. Remember, you may subscribe, unsubscribe or change your subscription address at <http://clu-in.org/techdrect> at any time night or day.