United States
Environmental Protection
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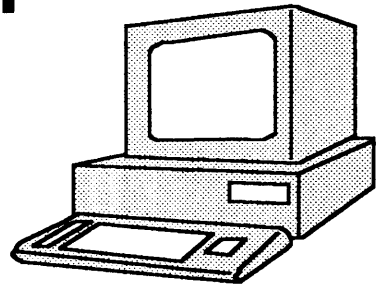
Solid Waste and Emergency Response (OS-110W)

EPA

Exchanging Technology Information on



CLU-IN

Cleanup Information Bulletin Board

Printed on Recycled Paper

Choosing CLU-IN: Information Offered

The Cleanup Information Bulletin Board System (CLU-IN) is designed for hazardous waste cleanup professionals who need current information on innovative technologies and remediation and would like to consult with other professionals online. CLU-IN is used by those involved in the cleanup of Superfund, Resource Conservation and Recovery Act corrective action, and underground storage tank sites. Users include EPA and other Federal and State personnel, consulting engineers, technology vendors, remediation contractors, researchers, community groups, and individual citizens.

CLU-IN offers many different types of information from many sources. Some items are intended to be read online; others may be copied to your computer for use at your convenience. In addition to the examples below, the message exchange on CLU-IN is an excellent source of up-to-date information.

Text of Articles from EPA Newsletters

Tech Trends. Provides descriptions and performance data for innovative technologies that actually have been applied in the field. Five issues per year.

Ground Water Currents. A new publication that provides information on the development and demonstration of innovative groundwater remediation techniques. Reports on technologies, new regulations that impact groundwater remediation, discussions on issues such as DNAPLs, and information on conferences and publications.

Bioremediation in the Field. An information update on applying bioremediation to site cleanup. Offers articles describing treatability studies underway, a table detailing CERCLA, RCRA, UST, and TSCA sites planning, operating, or having completed bioremediation projects, and technical support and publications offered by EPA.

EPA HQ Library's *OERR Infoline.* A current awareness tool from the EPA library including references to upcoming meetings and conferences, new journal articles, EPA reports, reference works, and other documents.

More EPA Publications

Compendium of Superfund Program Publications. Lists of Superfund Directives by title, subject, and EPA directive and report numbers, as well as directions on how to order the documents.

Innovative Treatment Technologies: Semi-Annual Status Report. Offers information on applications of innovative treatment technologies for remedial and removal actions, organized in extensive tables providing detailed site-specific information.

TIO's Innovative Technology Bibliography. Provides descriptions and order numbers for publications related to all aspects of the choice and application of innovative technologies.

Other Regularly Updated Information

Training Calendars. Quarterly updates provide titles, dates, and locations of courses, organized by EPA Region, and provide a contact and phone number to register.

RCRA/CERCLA/OUST/EPCRA Hotline Monthly Report. Commonly asked questions and answers about regulations. Also details new publications.

Federal Register. Summaries of recent notices related to Hazardous Waste and Ground Water. Citations for all EPA regulations.

Commerce Business Daily. Weekly update containing the text of *Commerce Business Daily* announcements for hazardous waste remediation.

National Priorities List

Upcoming Conferences, Workshops, and Demonstrations of Innovative Technologies.

Databases

UST Case Study Data System. Contains over 200 case studies that were developed to support RCRA rule and guidance development activities affecting facility location, RCRA corrective action, and closure.

Risk Reduction Engineering Laboratory (RREL) Treatability Database. Provides a thorough review of the effectiveness of proven, commercially available treatment tech-nologies for the removal or destruction of chemicals from media such as municipal and industrial wastewater, drinking water, groundwater, soil, debris, sludge, and sediment.

Air Methods Database. A database of methods for measuring the levels of toxic pollutants in ambient and indoor air.

Using CLU-IN: A Typical Session

If you are looking for information on a particular topic, there are several features available to help you find information. Suppose you are looking for information on cleaning up TCE. You could use the following commands to scan through CLU-IN:

Text Scan (TS). Scan the public messages for the word TCE. Typical messages include one about the use of soil washing technology by a university to remediate TCE-contaminated soil and one about TCE contamination at a federal facility.

Scan the Text of Bulletins (B S). A search of the text of bulletins for the word TCE finds the following:

- Article from *Tech Trends* entitled, "Finding Cleanup Alternatives for TCE and PCE."
- Innovative Technologies Bibliography citation for a guidance document on remediation of sites contaminated with TCE.
- Announcement of a SITE program technology demonstration for treating TCE contaminated ground water.
- Agenda for an upcoming Forum on Innovative Hazardous Waste Treatment Technologies: Domestic and International, listing two sessions on treating TCE contamination.

Download Files (D)

- Items from the *Bioremediation in the Field* newsletter including a list of sites planning, operating, or considering bioremediation for cleaning up TCE and an article entitled, "RSKERL proposes new injection well design for *in situ* biotreatment of a TCE plume, St. Joseph, MI."
- Innovative Treatment Technologies: Semi-Annual Status Report (outlines the status of projects using innovative technologies to remediate TCE contamination).

Dialing CLU-IN: Connecting & Getting Help

How to Connect

To log onto CLU-IN you need a computer, a modem, a phone line, and telecommunications software. CLU-IN supports 1200, 2400, and 9600 baud modems. The phone number is 301-589-8366. The communications parameters are 8 data bits, 1 stop bit, and no parity.

Getting Help with Menu Choices Online

Detailed assistance is available through online help on CLU-IN. To get help with any CLU-IN prompt except the "Main Board Command?" prompt, type H. You will get a list of choices for responses to that prompt. From the "Main Board Command?" prompt, type H followed by the menu option for which you want help. For example, for help with the "Read command," type H R.

Getting Voice Help

Call the System Operator (SYSOP) on the Help Line at 301-589-8368 for help with connecting to CLU-IN or using CLU-IN commands.

Available Printed Information on CLU-IN

The following documents can be ordered by calling the SYSOP at 301-589-8368 or sending or faxing your order to:
National Center for Environmental Publications and Information
11029 Kenwood Road, Building 5
Cincinnati, OH 45242
513-891-6685 (fax)

User's Manual (Version 4.2). Gives detailed instructions on operating the bulletin board. Does not provide lists of current information. The manual also can be ordered online by filling out Script Questionnaire #2 on CLU-IN. (Publication number: EPA/542/B-93/002)

A Guided Tour of CLU-IN. Walks you through an online session keystroke by keystroke. (Publication number: EPA/542/B-93/003)

CLU-IN Contacts

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