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Accessing Federal Data Bases for Contaminated Site Clean-Up Technologies

Fourth Edition

Prepared by the Member Agencies of the
Federal Remediation Technologies Roundtable:

U.S. Environmental Protection Agency
Department of Defense
- U.S. Air Force
- U.S. Army
- U.S. Navy

Department of Energy
Department of Interior
National Aeronautics and Space Administration
Tennessee Valley Authority
Coast Guard

1995

NOTICE

This document has been funded by the United States Environmental Protection Agency under Contract 68-W2-004. It has been subject to administrative review by all agencies participating in the Federal Remediation Technologies Roundtable, and has been approved for publication. Any mention of trade names or commercial products does not constitute endorsement or recommendation for use.

FOREWORD

This document provides abstracts of information on accessing both Federal data bases that contain data on innovative remediation technologies and Federal information exchange systems (bulletin boards, etc.) that provide a means for environmental professionals to transfer information on contaminated site cleanup technologies. This document is a reference tool created by the Federal Remediation Technologies Roundtable that provides information on those systems maintaining data on remedial technologies. It may be used by project managers as a pointer to repositories of technical information, or as a source of contacts that may be useful to future system design. Each data base profile contains information on data elements, system uses, hardware and software requirements, and access. The profiles also contain contacts for each system.

The Roundtable was established in 1990 as an interagency committee to exchange information and provide a forum for joint action regarding the development and demonstration of innovative technologies for hazardous waste remediation. Roundtable member agencies expect to complete many site remediation projects in the near future, and recognize the importance of providing expedited access to Federal information resources for RPMs and anyone interested in innovative technology development.

Walter W. Kovalick, Jr., Ph.D.
Chairman
Federal Remediation Technologies Roundtable

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PREFACE

The Federal Remediation Technologies Roundtable developed this publication to provide information on accessing Federal data bases that contain data on innovative remediation technologies. This document updates and expands information presented in the third edition published in 1993. Data bases appearing for the first time in this edition are denoted in the Table of Contents by an asterisk.

The profiles contained in this edition were identified through a review of reports, articles, and publications by Roundtable member-agencies and telephone interviews with data base experts. Roundtable members include the U.S. Environmental Protection Agency (EPA), U.S. Department of Defense (DoD), U.S. Department of Energy (DOE), and U.S. Department of the Interior (DOI). In addition, the National Aeronautics and Space Administration (NASA), the Tennessee Valley Authority (TVA), and the U.S. Coast Guard participate in Roundtable activities.

This document is a reference tool that provides profiles on electronic systems maintaining data on remedial technologies. It may be used by project managers as a pointer to repositories of technical information, or as a source of contacts that may be useful to future system design. Each data base profile contains information on data elements, system uses, hardware and software requirements, and access. The profiles also contain contacts for each system. A matrix showing system characteristics of the data bases included in this document is provided on page v. The table beginning on page vii summarizes the information contained in the data base profiles.

This document is a joint effort of the Roundtable member agencies, and is revised periodically. If your agency operates or maintains any data bases on remediation technologies that you would like to include in future versions of this document, or if you have any suggestions for improving this document, please complete the form at the end of this document and return it to: **Naomie Smith, Technology Innovation Office, U.S. Environmental Protection Agency (5102W), 401 M St., SW, Washington, DC 20460.**

Table 1: System Characteristics of Federal Data Bases

System Name	Technology Description	Performance Data	Cost Data	Case Studies	Updated Periodically	User Fee	Public Access	System Operator	Online Capability	Page Number
Alternative Treatment Technology Information Center (ATTIC)	x	x	x	x	x		x	x	x	1
Bioremediation in the Field Search System (BFSS)	x	x	x	x	x		x			3
Business Gold	x				x		x	x	x	5
Case Study Data System	x	x		x			x			7
CLU-IN Bulletin Board System (BBS)	x			x	x		x	x	x	9
Cost of Remedial Action Model (CORA)	x	x	x			x	x			11
Defense Environmental Network and Information Exchange (DENIX)	x				x			x	x	13
Defense RDT&E Online System (DROLS)	x				x	x	x	x	x	15
Energy Science and Technology Data Base	x	x	x		x	x	x		x	17
Environmental Technologies Remedial Actions Data Exchange (EnviroTRADE)	x	x		x	x		x	x	x	19
Environmental Technology Information System (TIS)	x	x	x		x				x	21
Global Network for Environmental Technology (GNET)					x		x	x	x	23
Hazardous Waste Superfund Data Collection (HWSFD)	x	x	x	x	x		x		x	25

Table 1 (concluded): System Characteristics of Federal Data Bases

System Name	Technology Description	Performance Data	Cost Data	Case Studies	Updated Periodically	User Fee	Public Access	System Operator	Online Capability	Page Number
Installation Restoration Data Management Information System					x					27
National Technical Information Service (NTIS) Bibliographic Data Base	x	x	x	x	x	x	x		x	29
New Technology from DOE (NTD)	x			x	x				x	31
ProTech & the Technology Catalogue	x	x	x		x		x			33
Record of Decision System (RODS)	x		x		x		x	x	x	35
ReOpt: Electronic Encyclopedia of Remedial Action Options	x	x		x	x	x	x			37
Research in Progress				x	x	x	x		x	39
RREL Treatability Data Base	x	x			x		x		x	41
Soil Transport and Fate Data Base					x		x			43
U.S. Bureau of Mines Bulletin Board System (USBM-BBS)	x				x		x	x	x	45
Vendor Information System for Innovative Treatment Technologies (VISITT)	x	x	x		x		x			47
Waste Management Information System (WMIS)	x			x	x					49

Table 2: Summary of Federal Data Bases

Name	Objective	Data/Technology Information	Hardware/Software	Contacts
Alternative Treatment Technology Information Center (ATTIC)	ATTIC is an information retrieval network that provides technical information on alternative treatment methods for remediating hazardous waste.	The data base contains abstracts from more than 2,000 technical references, including books, EPA publications, journal articles, and treatability studies.	An IBM-compatible computer, modem, and communications software are required to access the system.	Online Data: 703-908-2138 ATTIC Hotline: 703-908-2137
Bioremediation in the Field Search System (BFSS)	The Bioremediation in the Field Search System (BFSS) is a data base of sites where bioremediation is being tested or implemented or has been completed.	BFSS provides information on *ex situ* and *in situ* technologies at more than 160 bioremediation sites nationwide. The data base includes full-scale remediation efforts and treatability and feasibility studies.	BFSS requires an IBM-compatible PC with 640K of RAM and DOS 3.3 or higher.	Susan Richmond Eastern Research Group, Inc. 617-674-2851 (fax)
Business Gold	Electronic BBS that provides information on newest technologies available through the research and development programs of Federal government laboratories.	The system offers a directory of Federal laboratory resources and information on current solicitations, State and regional technology and assistance programs, government software information centers, data bases, and user guides.	An IBM-compatible computer, modem, and communications software are required to access the system.	Business Gold Gateway Service 800-678-6882 Business Gold Information 304-243-2551
Case Study Data System	Stores and retrieves case-specific information to support rule and guidance development affecting facility siting, corrective action, and closure.	The data system contains more than 200 case studies that address topics such as floodplains, disposal technology, treatment, and environmental effects.	The data base system is written in dBase III and formatted for an IBM PC.	Corrective Action Programs Branch/ Office of Solid Waste U.S. EPA 703-308-8484
CLU-IN Bulletin Board System (BBS)	The system serves as a communications mechanism to assist hazardous waste cleanup professionals obtain current information about innovative cleanup technologies.	The system offers messages, bulletins, computer files, and data bases.	An IBM-compatible computer, modem, and communications software are required to access the system.	Online System: 301-589-8366 HelpLine: 301-589-8368

Table 2 (continued): Summary of Federal Data Bases

Name	Objective	Data/Technology Information	Hardware/Software	Contacts
Cost of Remedial Action Model (CORA)	This computerized expert model is designed to recommend remedial actions for Superfund hazardous waste sites and estimate the cost of these actions.	The model is comprised of two independent systems: an expert system that uses site information to recommend a range of remedial response actions, and a cost system that develops cost estimates for the technologies selected.	CORA is a stand-alone system requiring an IBM or compatible PC, MS-DOS environment, 640K RAM, and 5MB of hard disk space.	CORA Hotline CH2M Hill 703-478-3566
Defense Environmental Network and Information Exchange (DENIX)	This system serves as a centralized communications platform for disseminating information pertaining to DOD's scheduled meetings, training, cleanup sites, and technologies.	The system provides user mail service, multi-user access, and upload/download features. It permits access to other environmental data networks.	The system can be accessed with a dumb terminal or a PC with a modem and communications software. DENIX is available only to DOD personnel.	Kim Grein USACE/CERL 217-373-4519
Defense RDT&E Online System (DROLS)	This bibliographic data base provides information on DOD's ongoing research and technology efforts.	The system provides access to three data bases: Technical Report Data Base, Research Work Unit Information System, and Independent Research and Development Data Base.	The system is available via dial-up to the Defense Technical Information Center's central computer system.	Defense Technical Information Center 703-274-6434
Energy Science and Technology Data Base	This multi-disciplinary bibliographic file contains worldwide references to basic and applied scientific and technical research literature.	The system includes references to journal literature, conferences, patents, book, monographs, theses, and engineering and software materials.	The system is available via dial-up through DOE's Integrated Technical Information System (ITIS) and to the public through DIALOG Information Services.	DOE Office of Science and Technical Information 615-576-1222 DIALOG Information Services 800-334-2564 STN International 800-848-6533

Table 2 (continued): Summary of Federal Data Bases

Name	Objective	Data/Technology Information	Hardware/Software	Contacts
Environmental Technologies Remedial Actions Data Exchange (EnviroTRADE)	This system facilitates the exchange of environmental restoration and waste management technologies, particularly with international markets.	The system contains data on international environmental restoration and waste management technologies, organizations, sites, activities, funding, and contacts.	System access is available via the Global Network for Environmental Technology (GNET) on the World Wide Web (http://www.gnet.org) or the Microsoft Network (go GNET).	International Technology Exchange Program U.S. DOE 301-903-7930
Environmental Technology Information System (TIS)	This system provides information about potential waste clean-up technologies.	The system offers advice on screening remedial options based on site-specific input information.	The system can be accessed via dial-up using a PC, minicomputer, or mainframe. Special software is required.	Bill Lawrence Idaho National Engineering Laboratory 208-526-1364
Global Network for Environmental Technology (GNET)	Provides services to enhance efforts to communicate and exchange information to commercialize innovative environmental technologies.	GNET offers Environmental & Technology NewsBriefs, an Environment & Technology Business Forum, and Environmental & Technology Information.	GNET can be accessed via the Internet, requiring a PC, modem, communications software, and Internet access.	GNET Client Services 703-750-6401 gnetnet.org 7010 Little River Turnpike Suite 430 Annandale, VA 22003
Hazardous Waste Superfund Collection Data Base	This online bibliographic data base corresponds to a special collection of hazardous waste documents located throughout the EPA library network.	The system includes bibliographic references and abstracts on EPA reports, OSWER policy and guidance directives, legislation, regulations, and non-government books.	The system is available through the EPA Online Library System or it can be downloaded from CLU-IN. Both methods of access require a PC, modem, and communications software.	Hazardous Waste Superfund Collection EPA Headquarters Library 202-260-5934

Table 2 (continued): Summary of Federal Data Bases

Name	Objective	Data/Technology Information	Hardware/Software	Contacts
Installation Restoration Data Management Information System (IRDMIS)	This data base supports technical and managerial requirements of the Army's Installation Restoration Program and other environmental efforts.	The data base contains analytical results from chemical, geotechnical, and radiological sampling.	The system requires software provided by U.S. Army Environmental Center (USAEC).	Jim Wood USAEC 410-671-1655
National Technical Information Service (NTIS) Bibliographic Data Base	This is a bibliographic retrieval system that references the reports of major federal agencies.	The system consists of unclassified government-sponsored research, development, engineering reports, and other analyses prepared by government agencies and contractors.	The data base is available through a number of commercial data base vendors, such as DIALOG, BRS, STN, Orbit, and CISTI.	National Technical Information Service U.S. DOC 703-487-4650
New Technology from DOE (NTD)	This system is designed to disseminate information about DOE research results that have potential for commercialization.	The system includes technology descriptions, patent status, secondary applications, literature citations, and DOE information.	The data base is available to DOE users with a computer, modem, and communications software capable of VT-100 emulation.	Integrated Technical Information System 615-576-1222
Protech & the Technology Catalogue	Provides detailed technical cost and performance data on deployable technologies advanced by DOE's Office of Technology Development (EM-50) to its customers, DOE's Offices of Waste Management (EM-30) and Environmental Restoration (EM-40) and contractors.	Description of technologies supported under Integrated Demonstrations (IDs).	Macintosh Computer Platform.	ProTech Contact: David Biancosino (DOE-HQ) 301-903-7961 Technology Catalogue Contact: Joe Paladino (DOE-HQ) 301-903-7449

Table 2 (continued): Summary of Federal Data Bases

Name	Objective	Data/Technology Information	Hardware/Software	Contacts
Records of Decision System (RODS)	This system provides comprehensive information on Superfund Records of Decision for hazardous waste sites nationwide.	The data base contains the full text of all signed Records of Decision.	A personal computer, modem and communications software are required to access the system.	Jalania Ellis U.S. EPA/OERR 703-603-8889
ReOpt: Electronic Encyclopedia of Remedial Action Options	The system provides information collected from EPA, DOE, and other sources about remedial action technologies.	The system contains diagrams, descriptions, engineering or design parameters, contaminants treated, technical and regulatory constraints, and other information for about 90 technologies.	The system runs on PCs in a WINDOWS™ environment and Macintosh II (or greater) and requires 5 MB of RAM and 12 MB of hard disk space. OMNIS SEVEN™ software is embedded in the system. A fee is required for a license and installation materials.	Janet Bryant Battelle Pacific Northwest Labs 509-375-3765
Research in Progress Data Base	This data base bridges the information gap that occurs between initiation and completion of a research project by providing information about ongoing research projects.	The data base contains administrative and technical information about all unclassified current and recently completed research projects performed or funded by DOE.	A computer, modem, and communications software capable of VT-100 emulation are required to access the system.	Kelly J. Dwyer U.S. DOE 615-576-9374 DIALOG Information Services 800-334-2564
RREL Treatability Data Base	The data base provides treatability data for the removal/destruction of organic and inorganic chemicals in aqueous and solid media.	The system contains 1,207 compounds with 13,500 data sets.	The data base runs on an IBM-compatible PC with DOS version 2.0 to 6.0, 640K RAM, and 7MB of hard disk storage. It can downloaded from CLU-IN.	Glenn M. Shaul U.S. EPA Risk Reduction Engineering Laboratory 513-569-7408

Table 2 (concluded): Summary of Federal Data Bases

Name	Objective	Data/Technology Information	Hardware/Software	Contacts
Soil Transport and Fate Data Base and Model Management System	The data base provides information on chemical properties, toxicity, transformation, and bioaccumulation for chemical compounds.	The data base includes information on approximately 400 chemicals and models for predicting fate and transport in the vadose zone.	The data base will run on IBM-compatible computers with 640K RAM, 12.5 MB of hard disk storage, and a math coprocessor.	David S. Burden R.S. Kerr Environmental Research Laboratory U.S. EPA 405-436-8606
U.S. Bureau of Mines Bulletin Board System (USBM-BBS)	This system is a free computer information service providing up-to-date material resulting from USBM research, studies, and analyses.	The system offers information on USBM technology news, software products listings and research and development opportunities of interest to the mining and minerals-related industries.	An IBM-compatible computer, modem, and communications software are required to access the system.	Online System: 202-501-0373 HelpLine: 202-501-0426.
Vendor Information System for Innovative Treatment Technologies (VISITT)	This system serves as a communications tool for technology vendors and government and private clean-up personnel.	The data base includes a variety of information ranging from summary performance data to waste limitations.	VISITT requires an IBM-compatible PC with 640K of RAM, 10 MB of hard disk space, and DOS 3.3 or higher.	VISITT Hotline: 800-245-4505 or 703-883-8448
Waste Management Information System (WMIS)	The system provides a resource for the selection of technologies for handling hazardous, mixed, radioactive, or remedial action waste.	The system includes waste generation/process data, information on T/S/D capabilities, and waste profiles.	WMIS resides on a Novell local area network at DOE.	Lise Wachter HAZWRAP 615-435-3281

Alternative Treatment Technology Information Center (ATTIC)
U.S. Environmental Protection Agency
Office of Environmental Engineering & Technology Demonstration
Edison, New Jersey

The Alternative Treatment Technology Information Center (ATTIC) is a collection of hazardous waste treatment data bases that are accessed through an electronic bulletin board. In addition to the data bases, the bulletin board features news items, bulletins, computer files, and a messaging system that enables users to communicate and request advice from another users and to seek help from the system operator. The ATTIC system is continually being improved and updated.

Data

ATTIC users can access several databases directly through the BBS:

ATTIC Treatment Technology Database

RREL Treatability Database (see p. 41)

Bioremediation in the Field Search System (BFSS) (see p. 3)

Vendor Information System for Innovative Treatment Technologies (VISITT) (see p. 47)

Underground Storage Tank (UST) Database

Oil/Chemical Spill Database

Hardware/Software

ATTIC is accessible by any PC or terminal equipped with communications software and a modem.

Contact

ATTIC Hotline
703-908-2137

Daniel Sullivan
ATTIC Program Manager
908-321-6677

Access

Users can dial directly into ATTIC at 703-908-2138. Communications settings are:

8 data bits
1 stop bit
No parity
1200-14400 baud
ANSI or VT-100 terminal emulation

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Bioremediation in the Field Search System (BFSS)
U.S. Environmental Protection Agency
Office of Research and Development
Office of Solid Waste and Emergency Response
Washington, DC

The Bioremediation in the Field Search System (BFSS) provides access to a database of information on waste sites across the country where bioremediation is being tested or implemented or has been completed. BFSS users can search the database electronically, view data on specific types of bioremediation sites, and print reports of selected information. Registered users also receive EPA's quarterly *Bioremediation in the Field* bulletin.

Data

BFSS currently provides information on *ex situ* and *in situ* technologies at more than 160 bioremediation sites nationwide. The database includes full-scale remediation efforts and treatability and feasibility studies that cover sites under EPA's CERCLA, RCRA, TSCA, and UST authority. Data for sites include:

location
media
contaminants
cost and performance

Access

BFSS is available on diskette free of charge from EPA's Center for Environmental Research Information (CERI). BFSS is also available online through the ATTIC (see p. 1) and CLU-IN (see p. 9) bulletin board systems.

Hardware/Software

BFSS requires an IBM-compatible PC with at least 640K of memory and MS-DOS 3.3 or higher.

Contact

Susan Richmond
Eastern Research Group, Inc.
110 Hartwell Ave.
Lexington, MA 02173
616-674-2851 (fax)

U.S. EPA/CERI
(513) 569-7562

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Business Gold
National Technology Transfer Center
Wheeling, WV

Business Gold is an electronic bulletin board system operated by the National Technology Transfer Center (NTTC) to provide access to the latest information on the newest technologies available through the research and development programs of Federal government agencies. All information on the system is free and can be downloaded.

Data

Business Gold provides information on the following:

Directory of Federal laboratory resources

Current assistance program solicitations

State technical assistance programs

Regional technology transfer centers

Current news and announcements

Technology transfer conference calendar

Government software information centers

Searchable data bases

User guides

Access

Users can dial directly into Business Gold.
Communications settings are:

7 data bits
1 stop bit
Even parity
VT-100 terminal emulation

Users with 300-2400 baud modems should dial 304-243-2561. Users with 9600 or higher baud modems should dial 304-243-2560. First time sign-ons should login as GUEST.

Hardware/Software

To access Business Gold, you will need a computer, modem, telephone line, and communications software.

Contact

Business Gold Gateway Service
800-678-6882

Business Gold information
304-243-2551

Business Gold

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Case Study Data System
U.S. Environmental Protection Agency
Office of Solid Waste
Washington, DC

The Case Study Data System (CSDS) is an inventory of more than 220 case studies that were developed to support RCRA rule and guidance development activities affecting facility location, RCRA Corrective Action, and closure. The system was completed in April 1990. The system can be used to identify case studies that contain information on treatment technologies used at various specific hazardous waste sites.

Data

The case studies are organized by number in a library at EPA. The CSDS is the indexing system for this library that identifies appropriate case studies by using data fields and keywords. The case studies contain formatted information about the geology, general problems, processes associated with waste handling, and treatment technologies (including innovative, standard, and regular procedures) for specific sites. The case studies address a variety of topics such as floodplains, disposal technology, treatment, and environmental effects.

Access

The data base is available for downloading from the Cleanup Information (CLU-IN) Bulletin Board (see p. 9). The manual is available to those who fill out an online script questionnaire on CLU-IN requesting a copy.

Hardware/Software

The Case Study Data System is written in dBASE III and is formatted for use on an IBM PC or compatible computer.

Contact

Corrective Action Programs Branch
U.S. EPA/Office of Solid Waste (5303W)
401 M St., SW
Washington, DC 20460
703-308-8484
703-308-8617 (fax)

Case Study Data System

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Cleanup Information Bulletin Board System (CLU-IN)
U.S. Environmental Protection Agency
Technology Innovation Office
Washington, DC

The Cleanup Information Bulletin Board System (CLU-IN) is designed for hazardous waste cleanup professionals to use in finding current information about innovative technologies, consulting with one another online, and accessing data bases. CLU-IN users are involved in Superfund cleanup, Resource Conservation and Recovery Act corrective action, and underground storage tank sites, including EPA staff, other Federal and State personnel, consulting engineers, technology vendors, remediation contractors, researchers, community groups, and the public.

Data

CLU-IN has the following features:

Electronic messages allowing users to leave messages for individual users or to a large audience of users

Bulletins that can be read online such as summaries of *Federal Register* and *Commerce Business Daily* notices on hazardous waste, descriptions and listings of EPA documents, a calendar of EPA training courses, notices of upcoming meetings and SITE Program demonstrations, and the text of EPA newsletters

Files that can be downloaded for use on the user's computer—such as directories, data bases, models, and EPA publications

Online Databases that can be searched on CLU-IN

In addition, CLU-IN has special interest group areas (SIGs) with all of the functions of the Main Board, but limited to a particular group or subject area. Examples of SIGs include Treatability Study Investigation, OSC/Removal, and Groundwater Technologies.

Access

Users can dial directly into CLU-IN at 301-589-8366. Communications settings are:

8 data bits
1 stop bit
No parity
1200-28800 baud
VT-100 or ANSI terminal emulation

CLU-IN can also be accessed through the Internet (via telnet). The address is CLU-IN.EPA.GOV or 134.67.99.13

Hardware/Software

To access CLU-IN, you will need a computer, modem, telephone line, and communications software.

Contact

CLU-IN System Operator
301-589-8368
301-589-8487 (fax)

Cleanup Information Bulletin Board System (CLU-IN)

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Cost of Remedial Action (CORA) Model
U.S. Environmental Protection Agency
Office of Emergency and Remedial Response
Washington, DC

The Cost of Remedial Action (CORA) Model is a computerized expert advisor used to recommend remedial actions for Superfund hazardous waste sites and estimate their costs. The stand-alone PC-based system may also be used for RCRA corrective action sites. The model is designed for both current site-specific estimates and for program budgeting and planning. The system provides recommendations for remedial action technologies on a site-specific basis, and provides a method to estimate remedial action costs in the pre-feasibility stage of analysis.

Data

The CORA Model consists of two independent subsystems:

Expert System—allows a user to enter site information generally accessible at the remedial investigation stage and recommends a range of remedial response actions from among 44 technology descriptions contained in the system. It includes descriptions of innovative treatment technologies:

Soil vapor extraction
Soil flushing
Solidification
In situ biodegradation
Soil slurry bioreactor
In situ stabilization
Pressure filtration

Cost System—develops order of magnitude (+50/-30%) cost estimates for the technologies selected and may be used to independently assess remedy recommendations from other sources.

Access

The model is available from the contact below for a cost of $280 which includes a run-time version of the system and one hour of technical assistance.

Hardware/Software

The CORA Model is a stand-alone application, not designed for LAN use. The following are the hardware specifications:

IBM-compatible PC
MS-DOS environment
640 KB of RAM
5 MB of hard disk space

Contact

CORA Hotline:
Jaya Zyman
CH2M Hill
625 Herndon Parkway
Herndon, VA 22070
703-478-3566
703-481-0980 (fax)

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Defense Environmental Network and Information Exchange (DENIX)
U.S. Department of Defense
Washington, DC

The Defense Environmental Network and Information Exchange (DENIX) serves as a centralized communication platform for disseminating environmental information pertaining to DOD's environmental security mission area. It fosters online communications and technology transfer among DOD components. DENIX replaced the Defense Environmental Electronic Bulletin Board System (DEEBS).

Data

DENIX contains a messaging component as well as the capability for file transfers. DENIX includes information on cleanup technologies, policies, and regulatory information.

Access

DENIX is an online system available only to DOD personnel.

Hardware/Software

The system can be accessed with a dumb terminal or a computer, modem, and communications software via dial-in or through the Internet.

Contact

For online access:

Kim Grein
CERL/U.S. Army Corps of Engineers
P.O. Box 9005
Champaign, IL 61826-9005
217-373-4519
217-373-4421 (fax)

Scott Markert
Director, DESCIM
200 Stovall St.
Alexandria, VA 22322
703-325-2335
703-697-7548 (fax)

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Defense RDT&E Online System (DROLS)
U.S. Department of Defense
Defense Technical Information Center
Alexandria, Virginia

The Defense Research, Development, Test, and Evaluation (RDT&E) Online System (DROLS) was developed by the Defense Technical Information Center (DTIC) to provide online access to its data collection of ongoing Department of Defense (DOD) research and development efforts. The system includes citations to reports distributed by DOD. DROLS is used to identify, input, and retrieve information and order documents. The system can be searched by author, source, date, title, subject, project, contract, report numbers, and funding sources.

Data

DROLS provides access to three separate data bases:

Research and Technology Work Unit Information System (WUIS) Data Base (containing ongoing DOD research and technology efforts at the work unit level)

Technical Report Data Base (consisting of bibliographic records of technical reports submitted to DTIC)

Independent Research and Development (IR&D) Data Base (containing contractors' independent research and development efforts shared with DOD). This data base is proprietary and accessible only to classified DOD terminals

Hardware/Software

Classified users are required to use dedicated phone lines requiring special encryption equipment or STU-III installation. Dial-up or dedicated access to DROLS is available for unclassified users.

Contact

Defense Technical
Information Center
Attn: DTIC-BCP DROLS
Information
Building 5, Cameron Station
Alexandria, VA 22304-6145
703-274-6434

Access

DROLS is an online system that can be accessed through the DTIC central computer system. DROLS is available only to DTIC-registered users. To subscribe to the online system, contact DTIC at the number below.

Defense RDT&E Online System (DROLS)

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Energy Science and Technology Data Base
U.S. Department of Energy
Office of Science and Technical Information
Oak Ridge, Tennessee

The Energy Science and Technology Data Base is a multi-disciplinary bibliographic data base of references to basic and applied scientific and technical energy- and nuclear-science research literature worldwide. The information is collected for use by government managers and researchers at DOE National Laboratories, other DOE researchers, and the public. Abstracts are included for most records. Items date from 1976 to the present, with older literature included in some subject areas.

Data

The Energy Science and Technology Data Base includes references to journal literature, conferences, patents, books, monographs, theses, and engineering and software materials. About half of the references are from foreign sources. Coverage includes engineering, environmental sciences, geosciences, hazardous waste management, and materials handling. The data base is continually updated by about 180,000 records per year. The system can be searched by author, title, subject, and research organization.

Access

The Energy Science and Technology Data Base is available to the public through DIALOG Information Services for a fee. Other versions are available to the public through STN International and to DOE employees, contractors, and other government agencies through DOE's Integrated Technical Information System. DIALOG has a companion file called Nuclear Science Abstracts, covering the period from 1947 to 1976, that is not available through ITIS.

Hardware/Software

Users can dial into the system through DIALOG or STN with a computer, modem, and communications software. DOE users should contact ITIS for access.

Contact

Integrated Technical Information Service (ITIS)
U.S. DOE/OSTI
P.O. Box 62
Oak Ridge, TN 37831
615-576-1222

DIALOG Information Services
800-334-2564

STN International
800-848-6533

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Environmental Technologies Remedial Actions Data Exchange (EnviroTRADE)
U.S. Department of Energy
Office of Environmental Restoration and Waste Management
Washington, DC

The Environmental Technologies Remedial Actions Data Exchange (EnviroTRADE) is an international information system that matches environmental problems with potential technological solutions by combining information management techniques, graphical interfaces, and the Geographical Information System (GIS). EnviroTRADE was developed to identify domestic and international environmental technology market opportunities.

Data

EnviroTRADE contains both foreign and domestic technologies and needs profiles. Users can identify possible matches between worldwide environmental restoration and waste management needs and technologies. EnviroTRADE will also provide general information on international environmental restoration and waste management organizations, sites, activities, funding, and contracts. The system is user friendly, providing visually oriented information such as photographs, graphics, maps, and diagrams of technologies and sites. The system has expanded into a fully functionally Geographical Information System (GIS).

Hardware/Software

Access to EnviroTRADE through GNET is provided via the World Wide Web (http://www.gnet.org) and the Microsoft Network (go GNET).

Contact

Susan Johnson
International Technology
Exchange Program
U.S. Dept. of Energy
Trevion II, EM-523
Washington, DC 20585-0002
301-903-7930

Access

Online Internet access to EnviroTRADE is available through GNET (see p. 23).

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Environmental Technology Information System (TIS)
Department of Energy
Idaho National Engineering Laboratory
Idaho Falls, Idaho

The Environmental Technology Information System (TIS) contains technology information relative to innovative and available technologies to support environmental management. Cost, vendor information, previous uses, and measures of effectiveness are included when those data are available in the literature. Uses of the TIS include online access to information regarding technologies for environmental management processes; aid in identification of currently listed technologies; aid in accessing other computerized information (through "launch" of other computer programs); documentation of technology choices; linkage of information from one document to another; data collection and storage; and full-text retrieval of technology information.

Data

The TIS provides descriptive information gathered from journals and other references, conference proceedings, and expert experience. Retrieval of information is by any word found within the TIS. Expert knowledge is built into the TIS by use of logic trees to aid the uninitiated user. Current users continue to add information to the TIS.

Contact

Bill Lawrence
U.S. DOE/Idaho National Engineering Laboratory
P.O. Box 1625-3970
Idaho Falls, ID 83415
208-526-1364
208-526-6802 (fax)

Access

See Contact.

Hardware/Software

TIS resides on a VAX/DEC 5800 Ethernet server which is accessible by IBM-compatible or Macintosh PC, minicomputer, or mainframe. A "client piece" of the "Topic" software is required.

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Global Network for Environmental Technology (GNET)
Global Environment & Technology Foundation
Annandale, Virginia

The Global Network of Environment & Technology (GNET) utilizes the latest communications technology to bring together the people, processes, and policies that shape environmental business. GNET provides services to enhance efforts to communicate, exchange information, and conduct business. GNET was developed by the Global Environment & Technology Foundation (GETF), a not-for-profit organization sponsored in part by DOE's Global Environmental Technology Enterprise initiative. GNET was created to promote the commercialization of innovative environmental technologies to achieve environmentally sustainable development. GNET provided an interactive communications service for the White House's Technology for a Sustainable Future Initiative, bringing together high-level environmental decision-makers and facilitating development of the national environmental technology strategy, "Bridge to a Sustainable Future." GNET services are used by the Interagency Environmental Technologies Office, governmental agencies, businesses, and individuals in the environmental technology field.

Data

GNET has the following features:

Environment & Technology NewsBriefs—This special news service is provided weekly to members via e-mail, the Microsoft Network, or through the GNET World Wide Web site. Environment & Technology NewsBriefs is a round-up of executive summaries of the top stories in the environmental business field, culled from over 750 published sources.

Environment & Technology Business Forum—GNET members can interact on-line with top environmental policy makers and executives through the monthly Environment & Technology Business Forum.

Environment & Technology Information—GNET provides data on environmental product and service marketing opportunities, contracts, Federal programs, policy and law, current events, and financing assistance.

Access

Access to GNET is provided via the World Wide Web (http://www.gnet.org) and the Microsoft Network (go GNET).

Hardware/Software

To access GNET, you will need a computer, modem, and Internet access (with Net browsers such as Netscape, Mosaic, or Chameleon).

Contact

GNET Client Services
7010 Little River Turnpike
Suite 430
Annandale, VA 22001
703-750-6401
703-750-6506 (fax)
gnetnet.org

Global Network for Environmental Technology (GNET)

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Hazardous Waste Superfund Collection Data Base (HWSFD)
U.S. Environmental Protection Agency
Washington, DC

The Hazardous Waste Superfund Collection is a special collection within the EPA Headquarters Library. The Hazardous Waste Superfund Collection Data Base (HWSFD) contains bibliographic references and abstracts for the documents in the collection. The data base is designed to meet the information needs of EPA staff. The system provides a unified resource of major hazardous waste reports, books, and journals through the EPA Library Network; current information to assist EPA staff in making timely and effective policy and regulatory decisions; and assistance in the transfer of hazardous waste information from EPA to the states as part of EPA's technology transfer effort.

Data

The HWSFD contains selected abstracts of books, legislation, regulations, Federal agency reports, EPA policy directives, and EPA reports. The abstracts can be searched by keywords, title, date, author, EPA program office, and abstract. The HWSFD is updated quarterly. Selected documents from the Collection are distributed to the 10 EPA Regional libraries, EPA laboratory libraries, and the National Enforcement Investigations Center in Denver, CO.

Access

The Data Base is available through two sources: the EPA Online Library System (OLS); and the CLU-IN BBS (See page 9). Access to either requires a computer, modem, and communications software.

The OLS number is 919-549-0720. The communication parameters are 300-9600 baud, 7 data bits, 1 stop bit, and even parity. At the first prompt, type **IBMPSI**. At the second prompt, choose **OLS**. To exit, type **QUIT** and follow the prompts.

Hardware/Software

Both versions can be accessed with a PC, modem, and communications software.

Contact

Hazardous Waste Superfund Collection
EPA Headquarters Library (3404)
401 M St., SW
Washington, DC 20460
202-260-5934

OLS user support:
800-334-2405
For an OLS user manual:
919-541-2777

CLU-IN Help Line:
301-589-8368

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Installation Restoration Data Management Information System (IRDMIS)
U.S. Army Environmental Center (USAEC)
Aberdeen Proving Ground, Maryland

The Installation Restoration Data Management Information System (IRDMIS) exists to support the technical and managerial requirements of the Army's Installation Restoration Program (IRP), Base Closure Program (BCP), and other environmental efforts of the U.S. Army Environmental Center (formerly U.S. Toxic and Hazardous Materials Agency). Since 1975, more than ten million technical data records have been collected and stored in the IRDMIS. These records represent information collected from more than 100 Army installations.

Data

The records contain information on:

geodetic map coordinates of sampling efforts;
digitized map information on installation boundaries and other key features;
geodetic elevations;
field drilling procedures and sampling water table measurements;
chemical sampling and analytical results;
radiological sampling and results;
meteorological information; and
standards for specific analytes
method descriptions of chemical, geotechnical, and radiological sampling and analysis procedures

Data consist of analytical results from chemical, geotechnical, and radiological sampling coupled with sampling location information. A Data Dictionary specifying data base field definitions, acceptable entries, and file formats is available upon request.

The IRDMIS data base uses menus to access data and producing reports. Graphical display capabilities are provided so that users can view and manipulate data in two or three dimensions.

Access

The system is available to USAEC project managers and contractors actively submitting data into IRDMIS. Contractors are restricted to data concerning their respective activities only. Access by other Federal and State agencies are handled on a case by case basis.

Hardware/Software

Users are provided with DOS-based software to access the data base.

Contact

James Wood
USAEC
Attn: SEIM-AEC-Room I
Building E4460
Aberdeen Proving Ground,
MD 21010-5401
410-671-1655

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National Technical Information Service (NTIS) Bibliographic Data Base
U.S. Department of Commerce
Springfield, Virginia

The National Technical Information Service (NTIS) Bibliographic Data Base is a self-supporting agency of the U.S. Department of Commerce and is the largest single source for public access to Federally produced information. NTIS is the Federal agency charged with collecting and distributing Federal scientific, technical, and engineering information. The NTIS collection covers current technologies, business and management studies, foreign and domestic trade, environment and energy, health, social sciences, general statistics, and hundreds of other areas. When Federal agencies and their contractors forward reports and other items to NTIS, these items are entered into the NTIS computerized bibliographic data base and become part of the NTIS archive.

Data

The NTIS bibliographic data base contains data about Federal data and software files, U.S. government inventions available for licensing, reports on new technologies developed by Federal agencies, Federally generated translations, and reports prepared by non-U.S. government agencies. An increasing proportion of the data base consists of unpublished material originating outside the U.S. Most NTIS records include an abstract.

Access

The NTIS data base is available through a number of vendors:

BRS (800-345-4277)
CISTI (613-993-1210/in Canada)
DIALOG (800-334-2564)
ORBIT (800-456-7248
STN International (800-848-6533)

Some of these systems also allow ordering printed copies of documents from the NTIS collection. NTIS also allows ordering of documents from the sales desk (703-487-4650). The data base is also available on CD-ROMs.

Hardware/Software

The hardware and software required to access NTIS online depends upon the individual system used, but generally include a computer, modem, and communications software for dial-in access and a computer and CD-ROM drive for a CD-ROM version.

Contact

National Technical Information Service
U.S. Department of Commerce
Springfield, VA 22161
703-487-4650
703-321-8547 (fax)

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New Technology from DOE (NTD)
U.S. Department of Energy
Office of Science and Technical Information
Oak Ridge, Tennessee

New Technology from DOE (NTD) contains brief descriptions of Department of Energy (DOE) research results that have potential for commercialization by United States industries. This data base is the centralized source of online information on DOE technical innovations and advancements.

Data

Each NTD record includes a technology description, patent status, secondary or spinoff applications, literature citations, DOE laboratory and sponsoring information, subject descriptors, and a contact for further information. The NTD currently contains 1200 records from 1986 to the present. It is anticipated that older records dating from 1983 will be added to the data base.

Access

The data base is available to DOE and its contractors through the Integrated Technical Information System (ITIS). Public access is provided through the National Technical Information Service's Technology Transfer Program.

Hardware/Software

DOE and its contractors can access the ITIS using a computer, modem, and communications software capable of VT-100 emulation.

Contact

Integrated Technical Information System
U.S. DOE Office of Science and Technical Information
P.O. Box 62
Oak Ridge, TN 37831
615-576-1222

Technology Transfer Program
National Technical Information Service
U.S. Department of Commerce
5285 Port Royal Road
Springfield, VA 22161
703-487-4738

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Prospective Technology (ProTech) and the Technology Catalogue
U.S. Department of Energy
Office of Environmental Restoration and Waste Management
Washington, DC

Computer-based communication tool to describe innovative environmental cleanup technologies. ProTech can provide management support to IDCs and DOE Office of Technology Development personnel as well as minimize the time and effort spent by field personnel to provide information on their technologies. It provides detailed technical cost performance data on deployable technologies advanced by the Office of Technology Development to its customers, DOE's Offices of Waste Management (EM-30) and Environmental Restoration (EM-40) and their contractors. The Technology Catalogue uses the data produced by Protech and distributes it to personnel throughout DOE and its laboratory system.

Data

The ProTech user is presented with a schematic that divides all technologies into five categories: drilling, characterization and monitoring, extraction, above-ground treatment, and in-ground destruction and/or immobilization of contaminants. Each of these categories is divided into "ID technologies" and "baseline technologies." The user can click on any technology and pull up a fact sheet describing the need and objective of the technology and a graphic describing the components of the technology.

Access

See Contact.

Hardware/Software

Macintosh computer platform.

Contact

ProTech:

David Biancosino
U.S. Department of Energy
301-903-7961

Gretchen McCabe
Battelle Seattle Research Center
206-528-3338

Technology Catalogue:

Joe Paladino
U.S. Department of Energy
301-903-7449

Nancy Prindle
Sandia National Laboratory
505-844-7227

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Records of Decision System (RODS)
U.S. Environmental Protection Agency
Office of Solid Waste and Emergency Response
Washington, DC

The Records of Decision System (RODS) is a data base containing the full-text of the Superfund Records of Decision (RODs) for National Priorities List sites nationwide. The data base is available online and on CD-ROM. A ROD contains data about the remediation technology to be used for a site, including justifications for why the technology was chosen. The RODS system can be used to search for a Record of Decision for a particular Superfund site; for RODs for sites with similar conditions, wastes, or media; and RODs for sites that use a particular technology.

Data

Each record in RODS contains the text of a single ROD. A ROD describes the selection of the cleanup method for the site and includes a site history, description of alternatives for site clean up, rationale for the chosen cleanup method, cost estimates, and a summary of responses to public comments. The CD-ROM includes site maps, figures, data tables, and Explanations of Significant Differences (ESDs) for RODs signed in FY92-94. RODS can be searched by Region, State, site name, date, ID number, media, text, remedy, keyword, and contaminant.

Access

The RODS data base on CD-ROM is available from the National Technical Information Service (NTIS). To order, contact NTIS at (703) 487-4650. The order number is PB95-500104GEI. Direct access to RODS is available to EPA staff and firms that have relevant EPA contracts. Contact the RODS Help Line for an account. For those who do not have direct access, searches can be done by a specialist at the RODS Help Line.

Hardware/Software

RODS is located on EPA's mainframe computer in Research Triangle Park, North Carolina, and is accessible through a computer, modem, and communications software. EPA employees may have direct access to the RODS system through their LANs or through access to the EPA data switch.

Contact

Jalania Ellis
U.S. EPA/OERR (5201G)
401 M Street, SW
Washington, DC 20460
703-603-8889

Records of Decision System (RODS)

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ReOpt: Electronic Encyclopedia of Remedial Action Options
(Formerly Remedial Action Assessment System [RAAS] Technology Information System)
Battelle Pacific Northwest Laboratories
Richland, Washington

ReOpt provides information about remedial technologies drawn from DOE, EPA, and industry sources. ReOpt provides descriptions of about 90 technologies, breaking the information into categories, including application and regulatory information for nearly 850 contaminants. ReOpt was developed as part of DOE's Remedial Action Assessment System project.

Data

For each technology, ReOpt contains information for the following categories:

Flow diagram
Description
Engineering or Design Parameters
Contaminant Applicability
Data Requirements
Associated Technologies
Technical Constraints
Regulatory Constraints
References
Previous Applications

ReOpt allows users to search by media, contaminant, and the way the functional manner in which the user wants to restore the site (such as, *in situ* treatment) to focus the analysis of those technologies potentially applicable to the scenario.

Access

The system is available on diskette for Federal staff and contractors under a Limited Government License from the Energy Science and Technology Software Center (ESTSC). Others may purchase ReOpt through Sierra Geophysics in Kirkland, Washington, (1-800-826-7644, ext. 120).

Hardware/Software

ReOpt runs on IBM compatibles in WINDOWS™ and Macintosh II (or greater) computer systems. The system requires a high-resolution color monitor, a mouse, a 3.5" disk drive, 5MB of RAM, and 12MB hard disk storage space. The system contains an embedded data base software product, OMBIS SEVEN™ by Blyth Corporation and requires that a licensing fee be paid to obtain this license and the installation materials.

Contact:

Energy Science and Technology Software Center
615-576-2606

Janet Bryant
Battelle Pacific Northwest Laboratory
P.O. Box 999, MSIN: K7-94
Richland, WA 99352

ReOpt FAX Hotline:
509-375-6417

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Research in Progress (RIP) Data Base
U.S. Department of Energy
Office of Scientific and Technical Information
Oak Ridge, Tennessee

The Research in Progress (RIP) Data Base contains administrative and technical information about all unclassified current and recently completed research projects performed funded by the Department of Energy (DOE). This file bridges the information gap that occurs between initiation and completion of a research project. It serves as a technology transfer medium, a management information system for use in program planning and implementation, a system for current awareness and networking for the scientific community, and a resource base for publishing summaries of research in specific programmatic areas.

Data

RIP contains information on approximately 23,000 DOE research efforts. Records are maintained for five years after project completion. All information on file is updated annually or when significant changes occur.

Access

RIP is available to DOE and its contractors through the DOE Integrated Technical Information System, and available to the public as part of the Federal Research in Progress (FEDRIP) data base on the DIALOG information system for a fee. Some records and data elements appropriate only for DOE use are omitted from the FEDRIP version.

Hardware/Software

RIP is accessible by any IBM or compatible personal computer or Macintosh equipped with a modem and communications software capable of VT-100 emulation. FEDRIP is available via dial-up to the DIALOG system with a computer, modem, and communications software.

Contact

Kelly J. Dwyer
U.S. DOE Office of
Scientific and Technical
Information
P.O. Box 62
Oak Ridge, TN 37831
615-576-9374

DIALOG Information
Services
800-334-2564

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RREL Treatability Data Base
U.S. Environmental Protection Agency
Risk Reduction Engineering Laboratory
Cincinnati, Ohio

The Treatability Data Base provides a thorough review of the effectiveness of proven treatment technologies in the removal or destruction of chemicals from media such as municipal and industrial wastewater, drinking water, groundwater, soil, debris, sludge, and sediment. The data base includes only those technologies that are commercially available. The data base is distributed to Federal, State, and local governments, foreign governments, academia, industry, and many other groups.

Data

The data base contains 1207 compounds and 13,500 treatability data sets. The data base is organized by chemical. For each compound, the data base includes:

Physical/Chemical Properties
Freundlich Isotherm Data
Aqueous and Solid Treatability Data
Scale (Bench, Pilot, or Field)
Average Concentration of Contaminants in Influent and Effluent
Average Percentage of Removal
Reference Citations with a Reference Abstract

Access

The data base is available for free upon request. To obtain a 3.5" diskette copy, send a written request or fax to the contact listed below. The system is searchable online through ATTIC (see page 1) and downloadable from CLU-IN (see page 9).

Hardware/Software

The Data Base is a stand-alone menu driven system that runs on an IBM PC or compatible using DOS 2.0 to 6.0. The system requires 9 MB of hard disk space and 640 KB of RAM.

Contact

Glenn M. Shaul
U.S. EPA/ORD
26 West Martin Luther King Dr.
Cincinnati, OH 45268
513-569-7408
513-569-7787 (fax)

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Soil Transport and Fate Data Base and Model Management System
Center for Subsurface Modeling Support
U.S. Environmental Protection Agency
Robert S. Kerr Environmental Research Laboratory
Ada, Oklahoma

The Soil Transport and Fate (STF) Data Base Version 2.0 presents quantitative and qualitative information concerning the behavior of organic and inorganic chemicals in soil. The STF Data Base provides users with recent information on chemical properties, toxicity, transformation, and bioaccumulation for hundreds of chemical compounds. It can be used by environmental managers, scientists, and regulators working on problems related to vadose zone contamination and remediation.

Data

The software consists of three major components: the STF Data Base; the Vadose Zone Interactive Processes (VIP) Model and Regulatory and Investigative Treatment Zone (RITZ) Model; and the VIP and RITZ model editors. The data base includes approximately 400 chemicals identified by chemical name (as referenced in 40 CFR Part 261), the Chemical Abstract Service (CAS) number, and the common chemical name. The VIP and RITZ models are one-dimensional models that are used in predicting the fate and transport of hazardous organic constituents in the vadose zone. The VIP and RITZ model editors aid in the creation of input files for the respective models and are designed to interface with the STF Data Base.

Access

Users can obtain a copy of the system and user manual by sending two pre-formatted, high density, 3.5" diskettes to the contact listed below.

Hardware/Software

The hardware/software requirements for the STF Data Base and Model Management System are an IBM-compatible computer, 640K RAM, a math coprocessor (for VIP and RITZ models only), and 12.5 MB of hard disk space.

Contact

David S. Burden
U.S. EPA Robert S. Kerr Environmental Research Laboratory
Center for Subsurface Modeling Support
P.O. Box 1198
Ada, OK 74820
405-436-8606

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U.S. Bureau of Mines Bulletin Board System (USBM-BBS)
U.S. Bureau of Mines
Washington, DC

The USBM-BBS is a free computer information service providing up-to-date material resulting from USBM research, studies, and analyses.

Data

Among the USBM-BBS File Menus are:

USBM Tech News, concise factsheets outlining new technological developments from research programs, including environmental remediation, of interest to the mining and minerals-related industries.

Software Products Listing, a catalogue of computer products dealing with environmental technologies and other research areas.

R&D Opportunities, a list of USBM projects that describes the research efforts and goals and outlines potential cooperative opportunities.

Contact

USBM-BBS System Operator
U.S. Bureau of Mines
MS 5243
810 7th Street, N.W.
Washington, DC 20241
202-501-0426

Access

Users can obtain a copy of the system and user manual by sending two pre-formatted, high density, 3.5" diskettes to the contact listed below.

Hardware/Software

To access the USBM-BBS, you will need a computer, modem, telephone line, and communications software.

U.S. Bureau of Mines Bulletin Board System (USBM-BBS)

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Vendor Information System for Innovative Treatment Technologies (VISITT)
U.S. Environmental Protection Agency
Technology Innovation Office
Washington, DC

The Vendor Information System for Innovative Treatment Technologies (VISITT) contains technology information submitted by developers, manufacturers, and suppliers of innovative treatment technology equipment and services. The system can be used by hazardous waste cleanup professionals to learn about the application and performance of these technologies.

Data

VISITT contains data on vendors of innovative remediation technologies to treat ground water *in situ*, soils, sludges, and sediments, including soil washing, thermal desorption, solvent extraction, bioremediation, and *in situ* vitrification. VISITT does not include established technologies such as incineration and *ex situ* groundwater treatment. Technologies may be at the bench-, pilot-, or full-scale. Each vendor profile includes company information, technology description, and applicable media, wastes, and contaminants. Other information may include unit costs, performance, waste limitations, hardware and capacity, project names and contacts, treatability study capabilities, and references.

VISITT contains information on 277 technologies offered by 171 developers and vendors. About 73% of the technologies in VISITT are available commercially at full scale. About 70% of vendors provide performance data.

EPA's Technology Innovation Office is developing a companion database to VISITT, called VendorFACTS, that will contain data for site characterization technologies. For information on VendorFACTS, contact the VISITT hotline.

Access

VISITT is free and available through the ATTIC (see p. 1) and CLU-IN (see p. 9) Bulletin Board Systems. VISITT is also available on diskette from EPA's National Center for Environmental Publications and Information (NCEPI). Users are strongly encouraged to obtain VISITT through one of the Bulletin Board Systems.

Hardware/Software

VISITT requires an IBM-compatible PC with at least 640 KB of available RAM, 10 MB of hard disk space, and MS-DOS 3.3 or higher. It is available on either 3.5" or 5.25" diskettes.

Contact

VISITT Hotline
PRC Environmental Management, Inc.
1505 Planning Research Drive
McLean, VA 22102
800-245-4505 or 703-883-8448
703-556-2852 (fax)

To Order Diskette Copy

Send name, organization, address, phone number and diskette size (3.5" or 5.25") to:

U.S. EPA/NCEPI
P.O. Box 42419
Cincinnati, OH 45242-2419
(513) 891-6685 (fax)

Waste Management Information System
Department of Energy
Oak Ridge, Tennessee

The Waste Management Information System (WMIS) is a dynamic system currently being developed as a management and planning tool. The system provides an accurate and complete resource for information pertaining to waste streams and treatment, storage, and disposal facilities throughout the Department of Energy (DOE) complex. WMIS is populated with mixed, hazardous, and radioactive waste data from the various DOE sites. As DOE's primary waste management information system, WMIS supports a variety of DOE programs as well as customizing reports to meet the needs of specific projects.

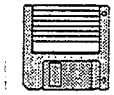
Data

The data exists in two major areas:

Treatment, Storage, and Disposal (T/S/D) Capabilities—a compilation of DOE facilities, both existing and planned, for the treatment, storage, and disposal of waste. Storage capabilities, capacities, and information on types of acceptable feedstocks are included. Treatment and disposal methodologies are presented with operating parameters and restrictions.

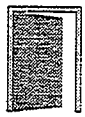
Waste Profiles—data on the various waste streams that have been identified for waste management activities. Data includes generation rates, quantities, characterization, point of contact information, and applicable waste management options.

The data in the two areas presented above are being merged through an artificial link that enables the user to determine which waste profiles or waste streams are managed at the facilities listed in the T/S/D Capabilities.



Access

Direct access to the system is available at DOE Headquarters.



Hardware/Software

The database resides on a Novell local area network and applications are written in FoxPro.

Contact

Lise Wachter, HAZWRAP
Martin Marietta Energy Systems, Inc.
P.O. Box 2003, MS-7606
Oak Ridge, TN 37831-7606
615-435-3281

Waste Management Information System

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Naomie Smith
Technology Innovation Office
U.S. Environmental Protection Agency (5102W)
401 M Street, SW
Washington, D.C. 20460

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