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Solid Waste And Emergency Response (5102G)

EPA REACH IT Bulletin



EPA REmediation And CHaracterization Innovative Technologies (EPA REACH IT)

Comprehensive information about innovative remediation
and characterization technologies
on the Internet

Developed by EPA's Technology Innovation Office



For Technology USERS

Do you need reliable information about remediation and characterization technologies? Would you like to know about sites at which those technologies are being implemented? EPA REACH IT can help.

EPA REmediation And CHaracterization Innovation Technologies (EPA REACH IT) is a new system that lets environmental professionals use the power of the Internet to search, view, download, and print information about innovative remediation and characterization technologies.

What will I find in EPA REACH IT?

EPA REACH IT combines information from three established U.S. Environmental Protection Agency (EPA) databases, the Vendor Information System for Innovative Treatment Technologies (VISITT), the Vendor Field Analytical and Characterization Technologies System (Vendor FACTS), and the Innovative Treatment Technologies (ITT) database, to give users access to comprehensive information about remediation and characterization technologies and their applications. It combines information submitted by technology service providers about remediation and characterization technologies with information from EPA, the U.S. Department of Defense (DoD), the U.S. Department of Energy (DOE), and state project managers about sites at which innovative technologies have been deployed. Those sources together provide you with up-to-date information, not only about the technologies you can use to characterize or remediate a site, but also about the sites at which those technologies are being used and the vendors that offer them.

EPA subjects all information provided by technology service providers and EPA, DoD, DOE, and state project managers to review for reasonableness and consistency. EPA REACH IT also identifies information that originated from an EPA source. The EPA logo appears on the screen whenever such data appear. Therefore, you can distinguish between data supplied by service providers and data provided by government officials.

Will EPA REACH IT give me specific information?

EPA REACH IT identifies specific vendors or service providers, describes the product or technology each offers, and provides summary information about sites or projects at which a particular product or technology has been used. The system also provides data from EPA sources about Superfund sites and federal facilities at which innovative technologies have been used. Because the system is Web-based, it gives you the on-line information you need to screen and assess technologies quickly and efficiently — and all just a mouse-click away.

EPA REACH IT

Software Recommendations:

EPA REACH IT is best viewed using Netscape or Microsoft Web browsers, version 4.0 or higher.



For Technology PROVIDERS

Are you looking for a cost-effective way to market your innovative treatment, field analytical, or characterization technologies to decision makers who are directly involved in selecting technologies for use at hazardous waste sites? EPA REACH IT is the answer for you.

Through EPA REACH IT, you can use the Internet to share information about the capabilities of your technology with a virtually unlimited audience. More important, because remediation professionals who are making real-time decisions about characterization and treatment methods use the system, you will be putting that information into the hands of individuals who need it and are actively seeking it — and who are the decision makers you need to reach.

EPA expects to reach cleanup personnel and investors throughout the United States and abroad by advertising EPA REACH IT in trade journals, at conferences, and through direct mailings to an extensive list of potential users. That effort benefits you free of charge, building awareness of, and interest in, a system that brings the facts about your technology directly to those users.

Is there a cost involved in being part of EPA REACH IT?

EPA REACH IT is free to both providers and users of innovative technologies, so you can become part of the system by investing only the time it takes to complete the Vendor Information Form (VIF) for your technology. You can complete and submit a VIF electronically by using the on-line EPA REACH IT VIF at <<http://www.epareachit.org>>. Click on the Data Entry System button on the EPA REACH IT home page and type in a username and password of your choice. You will be prompted to confirm your password; once you have done so, you can begin to complete the VIF for your technology immediately. Remember, EPA REACH IT is a free service from EPA. The only cost to you is the time it will take to complete the form.

Once you have submitted information to EPA REACH IT, EPA will perform a technical review before the data are entered into the system. The technical review process may take a few weeks; you will be notified when your technology has been accepted and put on line.

Once your technology or technologies have been entered in EPA REACH IT, you can use the data entry system described above to update your information periodically. It's easy to keep cleanup decision makers equipped with the most current information available about your technology.

If you need more information about the EPA REACH IT data entry system, or if you have problems using it, contact the EPA REACH IT system operator at (800) 245-4505 or at (703) 390-0713.

What technologies are eligible for inclusion in EPA REACH IT?

EPA offers the EPA REACH IT system to promote the use of certain categories of innovative remediation, field analytical, or site characterization technologies. Eligible treatment technologies are those that are:

- ◆ Innovative, that is, technologies that lack cost and performance data and currently are not applied commonly, when their use can provide better, more cost-effective performance than conventional methods
- ◆ Designed to treat contaminated soil, sludge, sediments, or solids or to treat groundwater or nonaqueous phase liquids (NAPL) in situ
- ◆ Included in the categories of transportable thermal destruction or solidification and stabilization, two categories of conventional technologies that have been made eligible to expand the treatment options available to users of the system

Technologies that treat groundwater ex situ and incineration at a fixed location are ineligible for listing in the system. Suppliers of components of a treatment technology (such as bacteria for bioremediation) will not be listed in EPA REACH IT, unless they are listed as part of the service provider's submittal, or unless cost and performance data are available.

Field analytical and characterization technologies that are eligible for listing in EPA REACH IT are such technologies as portable or transportable equipment for on-site monitoring, screening, and analysis of hazardous substances. Stand-alone modeling software used in the field to facilitate or expedite the characterization process is eligible for listing.

How much documentation of performance and other claims is required?

EPA provides EPA REACH IT as a service to showcase vendors' technologies and capabilities. It is in your best interest to provide information that is as accurate and complete as possible, since lack of such information might discourage users from considering your technology. EPA reviews each submittal for reasonableness and consistency. In some cases, EPA may contact you to clarify information you have submitted. If it makes any substantive changes in your submittal, the agency will give you the opportunity to review and comment on those changes. Remember that EPA will list publicly available information or references related to Superfund sites or federal facilities at which the technology or technologies similar to it have been used.

The Vendor Information Form (VIF) is available:

On line at <<http://www.epareachit.org>>

By accessing:

The EPA REACH IT home page at <<http://www.epareachit.org>>

EPA's Cleanup Information (CLU-IN) System Web site at <<http://www.clu-in.org>>

By e-mail, with a request to <EPAREACHIT@ttemi.com>

In hard copy, by request from the EPA REACH IT help line at (800) 245-4505

You can complete a handwritten VIF and submit it to:

System Operator, EPA REACH IT
Tetra Tech EM Inc.
1881 Campus Commons Drive, Suite 200
Reston, VA 20191

How do I use the electronic VIF?

The EPA REACH IT home page will introduce you to the system. Select the Data Entry button. If you are new to EPA REACH IT, you will be prompted to enter a username and password of your choice.

Once you have chosen your username and password, you will use it whenever you want access to your information. The log-in system protects the information you have entered from tampering.

After you have logged in, a screen will appear that provides a list of companies that already have technologies listed in EPA REACH IT. As a new user, you will click on the Add Vendor Info button at the bottom of the window. The first screen of the VIF will appear. Once you have entered the information requested for that screen, the information screens will appear in proper sequence for you to complete. The Technology Overview screen is shown below.

Disclaimer

Submittal of technology information for inclusion in an EPA REACH IT database is voluntary, and submittals should not include confidential business information, trade secrets, or other proprietary information. All data provided will be made available to the public on the Internet in the EPA REACH IT system. EPA will screen the information for reasonableness and consistency. However, reference in EPA REACH IT to any specific commercial product, process, or service, by trade name, trademark, manufacturer, or otherwise, does not constitute or imply the endorsement, recommendation, or favor of the United States Government.

EPA REACH IT Vendor Information Form - Notepad

http://www.epareachit.org

EPA REACH IT Vendor Information Form

Technology Overview | Equipment & Capabilities | Technology | Vendor | Factors

Vendor: OHM Remediation Services Corporation

22 Technology Type: Complete a separate form for each additional technology.

Thermal Desorption

23 Trade Name and/or Model Number assigned by vendor:

Technology Scale: Using the following definitions, indicate the operational status of the technology.

Full Scale: Available equipment is sized and conditioned available for actual site remediation. If you select full scale, you must complete the Equipment & Capabilities - Full Scale section.

Pilot Scale: Available equipment is of sufficient size to verify technology feasibility or establish the design and operating conditions for a full-scale system. However, it is not of the size typically used for a system. If you select pilot scale, you must complete the Equipment & Capabilities - Pilot Scale section.

Bench Scale: Emerging technology has been found to be feasible through the use of bench-top equipment in the laboratory. Data from these studies cannot be used to scale up the technology to full scale. If you select bench scale, you must complete the Equipment & Capabilities - Pilot Scale section.

24 Vendor Services

Consulting/Engineering

Equipment Manufacturer

Full Scale Remediation/Investigation/Design/Construction

EPA REACH IT
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and characterization technologies
on the
Internet
<<http://www.epareachit.org>>

What kind of results can I expect?

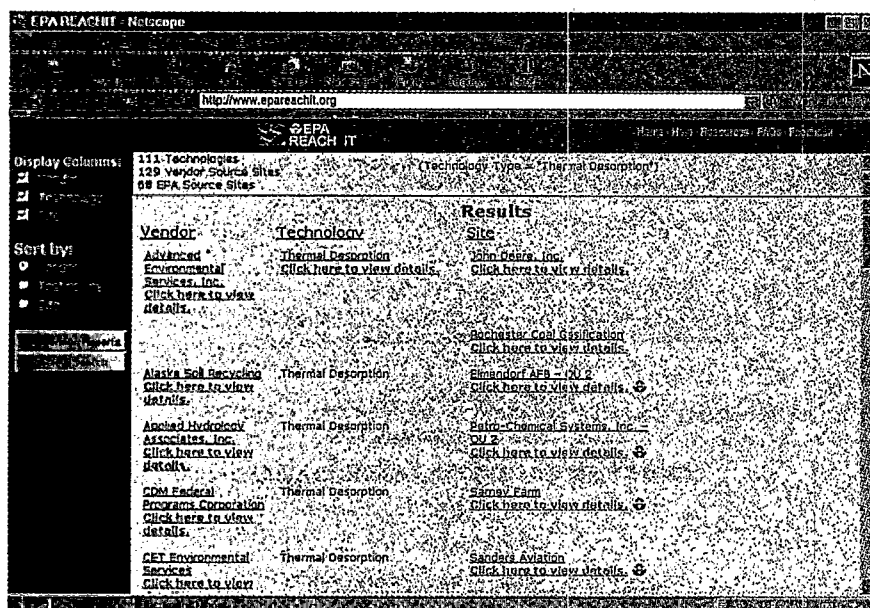
EPA REACH IT will display two levels of detail for all search results. Once you have selected a technology, EPA REACH IT will give you up-to-date and accurate information. You can be sure the information is current because technology providers update their technology information regularly, since the system is Web-based and easily accessible. For each technology, that information will include:

- ◆ **Technology Overview:** General information about the technology, including its operational status (pilot-, bench-, or full-scale), its patent status, and its status under federal or state verification programs
- ◆ **Description:** A brief discussion of the technical operation of the technology that tells you how it is applied and under what conditions its use is appropriate
- ◆ **Highlights:** A discussion of specific circumstances under which the technology is particularly effective (for example, certain technologies are more effective in treating sandy soils than in treating clayey soils)
- ◆ **Limitations:** A discussion of specific circumstances under which application of the technology is not appropriate (for example, a technology may not be capable of treating contamination with heavy metals)
- ◆ **Price Factors:** The estimated cost per unit of waste treated, along with a ranked list of factors that may have a significant effect on the unit price
- ◆ **Technology Users:** Information about Superfund and other federal sites at which technologies are being used, including project contacts, such as the EPA, DoD, DOE, or state project manager, who can provide information about a technology or technology service provider from the technology user's point of view

In addition, check lists provide information about media, contaminant groups, waste sources, or types of site that the technology has been used to treat or that it has the potential to treat, and the number of applications of the technology at bench-, pilot-, or full-scale is reported. References are provided, as well as case studies, when available.

Disclaimer

This database contains technology information from both EPA sources and commercial vendors. Data from EPA sources are identified by the EPA logo. EPA screens the vendor-supplied data for reasonableness and consistency. However, EPA cannot guarantee the accuracy of the data. Reference in EPA REACH IT to any specific commercial product, process, or service, by trade name, trademark, manufacturer, or otherwise, does not constitute or imply the endorsement, recommendation, or favor of the United States Government.



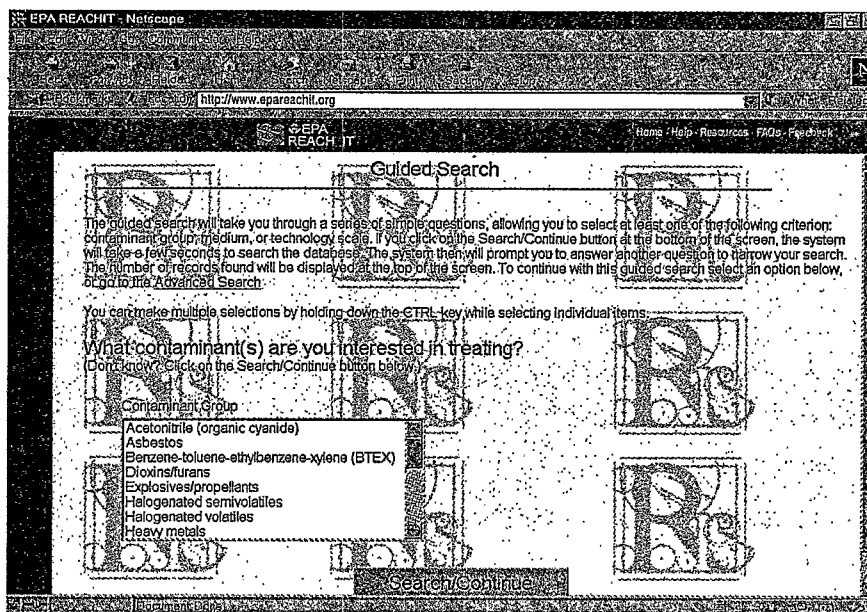
The screenshot shows the EPA REACH IT web application interface. At the top, there is a navigation bar with the EPA logo and the text "EPA REACH IT". Below this, there is a search bar and a list of technologies. The interface is divided into several sections: "Display Columns", "Sort by", and a main table of results. The table has three columns: "Vendor", "Technology", and "Results". Each row in the table represents a technology entry, with links to view details for each column.

Vendor	Technology	Results
Advanced Environmental Services, Inc.	Thermal Desorption	John Deere, Inc.
Alaska Soil Recycling	Thermal Desorption	Recherster Coal Application
Applied Hydrology Associates, Inc.	Thermal Desorption	Elmendorf AFB - DU 2
Coal Federal Programs Corporation	Thermal Desorption	Baker Chemical Systems, Inc. - DU 2
DET Environmental Services	Thermal Desorption	Sandy Farm
		Sanders Aviation

How do I search EPA REACH IT?

With EPA REACH IT, you can:

- ◆ Perform guided or advanced searches
- ◆ Save and restore searches
- ◆ Choose how the results of your search are displayed
- ◆ Download the results of your search.
- ◆ Print any screen



The EPA REACH IT home page will introduce you to the system. Click on the Guided Search option or use the Advanced Search button on the EPA REACH IT home page to reach the Advanced Search home page. You can use either the guided or the advanced search capability of EPA REACH IT to find information about innovative technology solutions; appropriate service providers; and site data submitted by EPA, DoD, DOE, and state project managers. In many cases, the information available includes data on cost per unit of waste treated and case studies that describe specific applications of the technology. You simply click on one of the search buttons.

- ◆ **Guided search:** The EPA REACH IT guided search option is a step-by-step process. The guided search function asks you questions about the information you need and uses your answers to help you narrow your search. You can view the results of your search at any step to determine whether you wish to focus your search any more narrowly. A guided search window is shown above.
- ◆ **Advanced search:** This search option is designed for users who are familiar with the EPA REACH IT search criteria. When you choose the advanced search option, all category groups available in the system are displayed. For each category group, a list box will display additional criteria from which to select.

You can save any search from the advanced search screen that tells you how many results your search produced. The first advanced search screen displays a list of saved searches for easy reference. You also can change the type of search from any search screen.



United States Environmental Protection Agency
P.O. Box 42419
Cincinnati, OH 45242

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