

Site Remediation Treatment Technology Database

“We believe the REMTEC® database is a necessary tool for anyone who needs to select, review or evaluate site remediation treatment technologies. To serve the needs of the site remediation community, the Wastewater Technology Centre is committed to maintaining and updating the database for a period of at least 10 years.”

Rob Booth
Vice President, Site Remediation Division
Water Technology International Corporation
Burlington, Ontario

THE COMPANY

Established in 1971 by Environment Canada as a research and development laboratory, the Wastewater Technology Centre (WTC), operated by Water Technology International Corporation (WTI), has become the foremost Canadian facility in the development and evaluation of treatment and disposal technologies.

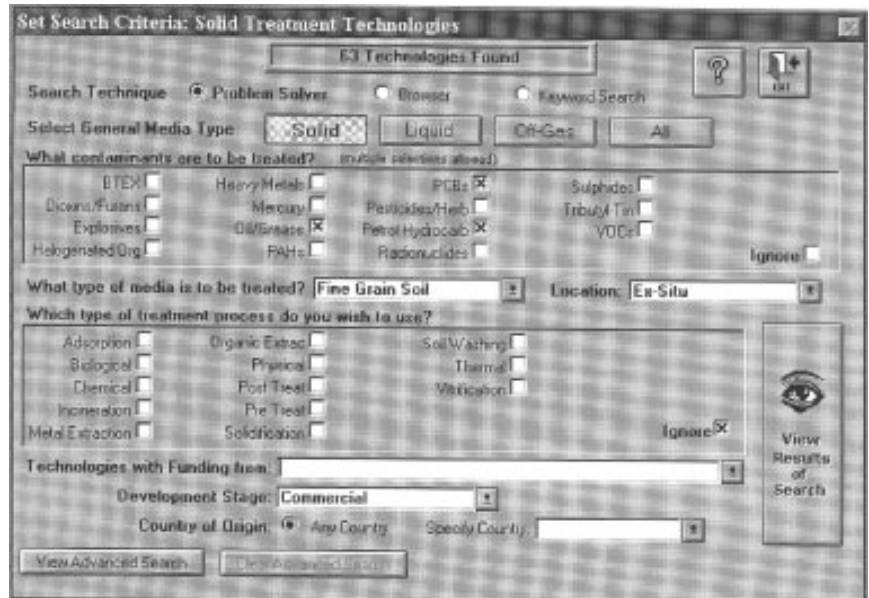
Located in Burlington, Ontario, the centre is staffed by some of the world's leading experts in water and waste treatment. WTI staff work with governments, industry and consultants to evaluate and demonstrate cost-effective technologies for the treatment of contaminated water, soils and sediments.

THE CHALLENGE

The large number of treatment technologies available makes it difficult to know which technology may be best suited for a particular contaminated site. A technology database, incorporated with an expert system, is needed to assist in the choosing of an appropriate treatment option for a contaminated site.

TECHNOLOGY DESCRIPTION

REMTEC® is a comprehensive reference on technologies for the treatment of contaminated sediment, soil, groundwater and off-gas. The user-friendly MS-Windows computer



REMTEC® database: Computer screen panel for setting the search criteria (Windows).

program provides powerful, easy-to-use search options. REMTEC® contains information on:

- * contaminants treated, media treated, in-situ or ex-situ application, treatment type, country of origin, portability and stage of development;
- * full descriptions of the technology, its limitations, regulatory approvals and environmental concerns;
- * names, addresses and telephone numbers for developers and vendors;
- * detailed information about projects where the technology has been used, including description, project scale, contaminants and their levels before and after treatment, media type, audit information, set-up time, feed rates and project cost;
- * relevant literature reviews;
- * government funding sources;
- * colour pictures of the technology and schematic diagrams of the process.

REMTEC® data will be maintained and updated for at least a 10-year period. Easy-to-load updates will be available through the Internet.

TECHNOLOGY OPPORTUNITIES

The REMTEC® market includes:

- * environmental consultants who assist in choosing technologies;
- * government environmental scientists and administrators who select technologies for both funding and remediation;
- * developers and vendors of treatment technologies.

PARTNERSHIP IN POLLUTION PREVENTION AND RESOURCE CONSERVATION

The development and demonstration of this knowledge-based technology product was partially funded by the Ontario Ministry of Environment and Energy under the Environmental Technologies Program, and Environ-

ment Canada under the Development and Demonstration of Site Remediation Technologies (DESRT) program.

Industrial companies located in Ontario may seek ministry / industry services that will help them to:

- * reduce, reuse and recycle solid waste;
- * effectively remediate historic pollution and destroy hazardous contaminants;
- * reduce or eliminate liquid effluent and gaseous emissions;
- * use energy and water more efficiently.

Equipment and services supply companies can benefit from the information provided on technologies identified for business development.

FOR FURTHER INFORMATION, PLEASE CONTACT:

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MINISTRY OF ENVIRONMENT AND ENERGY SERVICES

For information on Ministry of Environment and Energy assistance to industry, please contact the Industry Conservation Branch at (416) 327-1492, or Fax: (416) 327-1261

For more project profiles and other publications, visit the ministry's website at <http://www.ene.gov.on.ca>

This project profile was prepared and published as a public service by the Ontario Ministry of Environment and Energy. Its purpose is to transfer information to Ontario companies about new environmental technologies.

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