

STATEMENT OF INTENT

Development and Evaluation of Technologies to Remediate Fractured Bedrock Sites Contaminated by Dense Non Aqueous Phase Liquids (DNAPLs)

The United States Department of Energy and the Ontario Ministry of the Environment desire to work jointly in the development and evaluation of technologies to remediate fractured bedrock sites contaminated by dense non-aqueous phase liquids (DNAPLs). Ground waters contaminated with DNAPLs in fractured bedrock pose potential threats to public health and the environment in Ontario as well as in the United States.

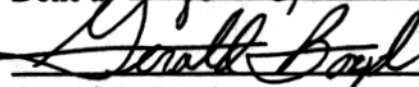
The Ontario Ministry of Environment (MOE), through the Smithville Phase IV Bedrock Remediation Program, has developed and/or has tested site characterization technologies at the Smithville Site as part of the evaluation of remedial solutions. The comprehensive site characterization, using leading edge technologies and the extensive database available makes Smithville an ideal location for applied remediation technology evaluation and development. Technologies developed at the Smithville Site would be applicable to many other sites in the United States and Ontario, Canada.


The Department of Energy's (DOE) Office of Science and Technology (OST) within the Office of Environmental Management is responsible for providing a full range of science and technology resources and capabilities, from basic research to development, and from demonstration and deployment to technical assistance, needed to deliver and support fully developed, deployable scientific and technological solutions to EM cleanup and long-term environmental stewardship problems.

It is the intent of the DOE and the MOE to work towards a formal agreement to work jointly to pursue the development, evaluation and dissemination of information about more cost-effective characterization and remediation techniques for DNAPL contaminated fractured rock sites. The DOE and the MOE further intend that the agreement will address the following: (a) the sharing of information on site characterization methods, computer modeling, and remediation technologies for contaminated ground water at these sites; (b) exchange of technical experts; (c) joint workshops/seminars on ground water contamination in fractured rock; (d) the availability of the Smithville Site for research and demonstration purposes; (e) cost sharing and other funding provisions; and (f) intellectual property rights provisions.

It is further intended that a formal agreement be established for a minimal period of two years, after which an evaluation of the collaboration can be made to determine the continuation of the effort.

Done at Augusta, GA this 27 day of April 1999.


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