

FIXED FACILITIES FOR SOIL WASHING

A REGULATORY ANALYSIS

-FINAL-

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**Prepared by
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Work Group
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Soil Washing Project**

EXECUTIVE SUMMARY

This document discusses issues surrounding the use of fixed facilities for the treatment of contaminated soil and sediment via soil washing technologies. The document provides technology background on soil washing, and examples of fixed facilities currently in operation around the world. The Metals in Soils Team conducted interviews with vendors, regulators and consultants to outline existing models for deployment of the technology in Europe, Canada and the United States. Through these interviews and other research, the Team was able to identify barriers that deter the use of fixed facilities for soil washing, and to generate some conclusions regarding potential future actions to further the use of the technology to treat soils contaminated with metals.

This document was produced by the ITRC Metals in Soils Team. Membership on this work team was open to all ITRC members. Participants with expertise or interest in metals treatment technologies in their states elected to join the team and contributed consistently to the development of this work product. Members of the RTDF (Remediation Technologies Development Forum) IINERT technology team (In-Place Inactivation and Natural Ecological Restoration Technologies) also participated in this team and helped to provide an industry perspective. A representative from the U.S. Army Corps of Engineers and the Department of Energy actively participated on the team. Support was also provided by the United States Environmental Protection Agency and the Department of Defense. Input regarding public and community concerns for these technologies was provided by ITRC public stakeholder representatives.