

**TECHNICAL AND REGULATORY
GUIDELINES FOR
SOIL WASHING**

-FINAL-

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Work Group
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Soil Washing Project**

EXECUTIVE SUMMARY

Soil washing is a process that uses physical and/or chemical techniques to separate contaminants from soil and sediments. This ITRC Metals in Soils Team document focuses on technical and regulatory issues associated with implementation of soil washing technology at sites contaminated with metals. The document provides guidelines to facilitate the deployment of soil washing technologies by users and regulators.

Initial sections of the document focus on a technology overview and status, and discuss issues which may be impeding the selection of soil washing as a remedial alternative at sites. Later sections present technical and regulatory guidelines for sampling both pre- and post-processed soils and discuss potential feed soil limitations. Technical discussions on soil handling and stockpiling, system operation, and dust control are included as guidance for project implementation. General discussions of water discharge requirements, concentrated treatment residue, record keeping, QA/QC and health and safety are included to provide guidelines for regulators and project managers responsible for oversight. This document also includes recommendations for regulatory change, and Appendix E contains a list of additional technical contacts for further assistance if necessary.

Members of the team developed the draft document. Technical and regulatory issues were discussed during conference calls and breakout sessions at ITRC meetings, and consensus was reached whenever possible. The document was distributed for peer review and comments were received from representatives of state and federal agencies, public stakeholders, industry, consultants, and vendors. Comments were discussed, evaluated and incorporated into the document as appropriate. This document is now under review by ITRC state agencies to determine the degree of concurrence on the technical and regulatory guidelines contained within.