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Environmental Site Characterization and Remediation Design Guidance



AMERICAN SOCIETY OF CIVIL ENGINEERS

Environmental Site Characterization and Remediation Design Guidance

Prepared by the Remedial Investigation/Feasibility Study/Remediation Design Manual Task Committee of the Environmental Engineering Division of the American Society of Civil Engineers

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Abstract: Soils and groundwater contaminated by hazardous compounds are common results of industrial activity. They have become costly burdens for site owners and contentious political and regulatory issues for surrounding communities. *Environmental Site Characterization and Remediation Design Guidance* provides information for consultants, engineers, site owners, insurers, realtors, and facilities managers who must evaluate and remediate these chemical hazards. It describes procedures for site characterization, linking it to a related ASCE manual, *Environmental Site Investigation*. It reviews methods for evaluating the array of available remediation techniques and selecting the one that will provide the best combination of reliability and low cost for the site of interest. It outlines an organized and rational approach to remediation design. Regulatory compliance and responsibility to the community are emphasized, but with attention to approaches that allow remediation to be completed at minimum cost.

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COMMITTEE'S PURPOSE AND OFFICERS

Environmental Engineering Division, Remedial Investigation/Feasibility Study/Remediation Design Manual Task Committee

This manual was written by the Remedial Investigation/Feasibility Study/ Remediation Design (RI/FS/RD) Manual Task Committee of the Environmental Engineering Division of the American Society of Civil Engineers. The Task Committee's purpose was to prepare a manual describing the appropriate procedures to design the remediation of sites contaminated with hazardous materials.

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