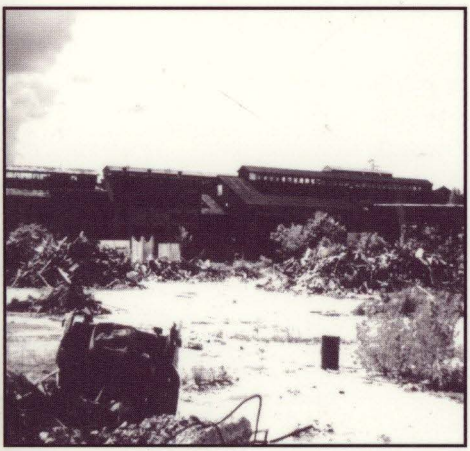
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RISK-BASED CORRECTIVE ACTION AND BROWNFIELDS RESTORATIONS

EDITED BY CRAIG H. BENSON, JAY N. MEEGODA, ROBERT B. GILBERT AND SAMUEL P. CLEMENCE





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GEOTECHNICAL SPECIAL PUBLICATION NO. 82

RISK-BASED CORRECTIVE ACTION AND BROWNFIELDS RESTORATIONS

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EDITED BY
Craig H. Benson
Jay N. Meegoda
Robert B. Gilbert
Samuel P. Clemence



ASCE American Society of Civil Engineers
1801 ALEXANDER BELL DRIVE
RESTON, VIRGINIA 20191–4400

Abstract: This proceedings, *Risk-Based Corrective Action and Brownfields Restorations*, contains papers presented at sessions sponsored by the Geo-Institute of ASCE in conjunction with the ASCE Annual Convention held in Boston, Massachusetts, October 18-21, 1998. These papers describe the tools and methods employed in risk-based corrective action, provide illustrative examples through case histories with an emphasis on brownfields restoration. This proceeding provides practitioners with an introduction to the concepts that are employed and the lessons that have been learned by others.

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PREFACE

Vast resources have been expended during the last two decades on remediating sites contaminated as a result of poor waste management practices in the past. Recently, the costs of these remedial actions have come under scrutiny, particularly regarding the ultimate reduction in risk that is obtained relative to the economic resources committed. Risk-Based Corrective Action (RBCA) and Brownfields Restoration are an outgrowth of this scrutiny, and are now playing a significant role in remediating contaminated sites. In recent years, RBCA has become more widely used, and has become an integral part of the burgeoning brownfields programs. RBCA provides the necessary framework for balancing health and environmental risks with costs with the ultimate objective of implementing sensible remedial actions. Brownfields restoration is a reasonable and economical approach for remediating contaminated land that is intended for industrial use.

This Geotechnical Special Publication (GSP) was developed to describe the tools and methods employed in RBCA, and to provide illustrative examples through case histories with emphasis on Brownfields restorations. The intent is to provide practitioners with an introduction to the concepts that are employed and lessons that have been learned by others. Selected representatives of the Geo-Institute's Environmental Geotechnics and Soil Properties Committees invited the authors to prepare the papers in this GSP. Each paper received at least one positive review before being accepted and was revised to conform to any mandatory revisions required by the reviewers. All papers in this GSP are eligible for discussion in the *Journal of Geotechnical and Geoenvironmental Engineering* and are eligible for ASCE and Geo-Institute awards.

The persons who volunteered to review the papers were essential to the timely publication of this GSP. These persons are:

Shobha K. Bhatia	William Librizzi	George Newell
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Craig H. Benson, Jay N. Meegoda, Robert B. Gilbert,
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