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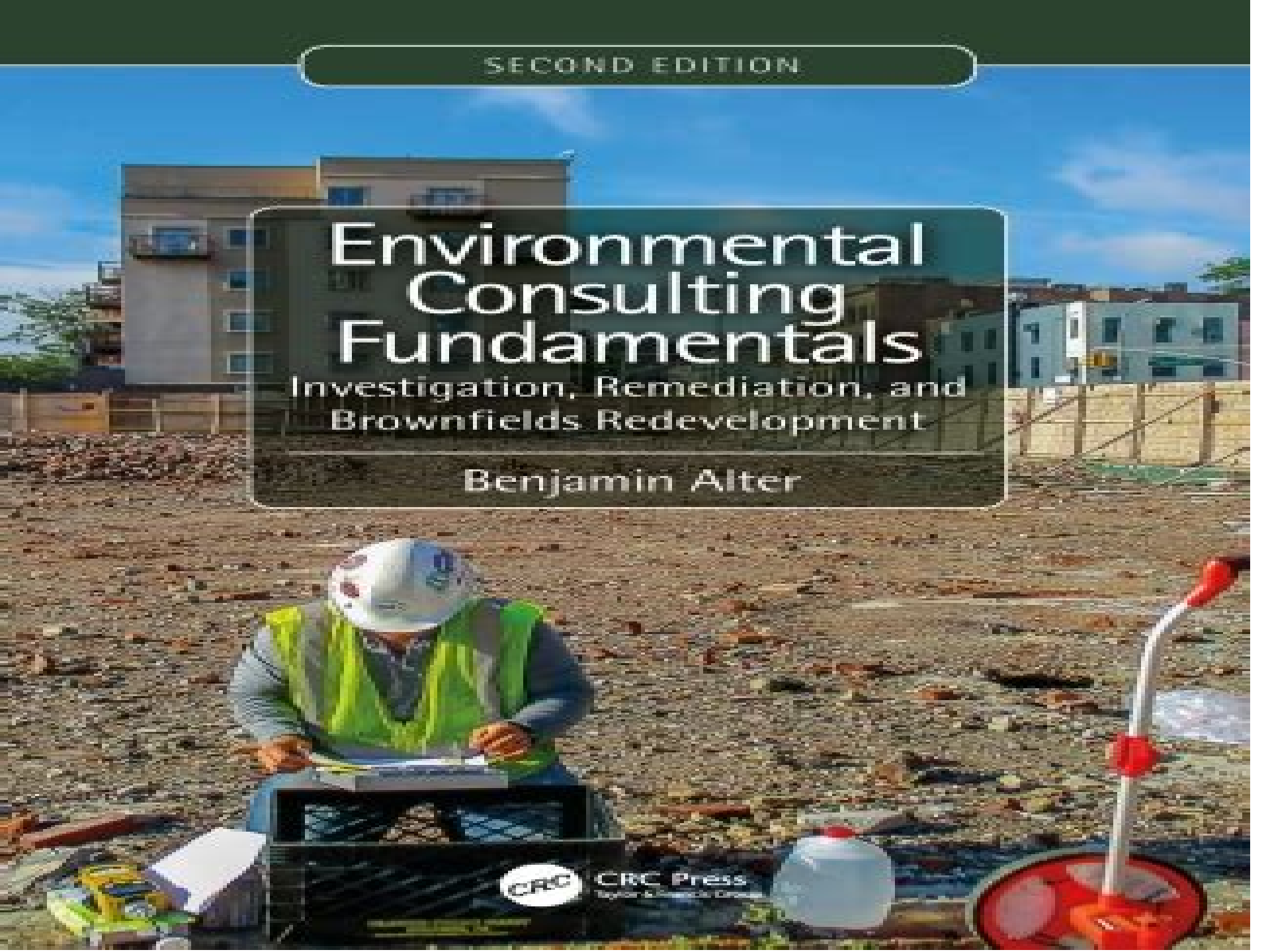
Environmental Consulting Fundamentals

Investigation, Remediation, and Brownfields Redevelopment

Benjamin Alter



CRC Press
Taylor & Francis Group



Environmental Consulting Fundamentals

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Environmental Consulting Fundamentals:

Environmental Consulting Fundamentals Benjamin Alter, 2012-06-25 Written by an environmental consultant with more than 20 years of experience and based on a course he taught for 10 years *Environmental Consulting Fundamentals Investigation and Remediation* introduces the basic building blocks of environmental consulting Rather than formulas and equations it emphasizes the thought processes that go into designing an environmental study interpreting the data and selecting the next step be it further investigation or remediation The book begins with an overview of environmental consulting the regulatory structures that impact the work and the underlying science of environmental processes It then takes you through the steps of subsurface investigations and remediations from Phase I and Phase II Environmental Site Assessments through to remedial actions This is followed by an outline of ecological risk assessment and mitigation and a chapter on environmental impact assessments a large subfield in environment consulting Moving indoors the book then covers environmental issues related to buildings including asbestos lead based paint radon mold and indoor air quality The final chapter describes a typical environmental consulting project from designing the scope of work to developing a prospective budget and project schedule Throughout photographs illustrations and examples of environmental problems make the theoretical concepts more concrete A primer for those interested in a career in this dynamic multidisciplinary field this is also a handy reference for practicing consultants Combining theory and practical advice it provides an accessible introduction to the type of projects you may encounter as an environmental consultant

Environmental Consulting Fundamentals Benjamin Alter, 2019-06-14 This book is a primer for those interested in a career in this dynamic multidisciplinary field as well as a handy reference for practicing consultants Combining theory and practice advice into a concise readable format the book is an accessible introduction to the types of projects you will encounter as an environmental consultant and lays the groundwork for what you ll need to know in this challenging and rewarding profession Also available with this book under the Additional Resources tab are PowerPoint lectures that correspond with each chapter New in the Second Edition Covers the latest environmental issues including emerging contaminants and the latest technological advances in environmental investigation and remediation New chapters dedicated to vapor intrusion investigation and mitigation and to Brownfields redevelopment and project financing An expanded chapter describing the staffing budgeting and execution of environmental projects Descriptions of the remediation processes under RCRA and Superfund Descriptions on how each chapter s subject matter applies to the job of the environmental consultant Dozens of new figures photographs and tables designed to enhance the reader s understanding of the subject matter Problems and questions to be used for homework assignments or classroom discussions

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