Record Nr. UNINA9910778638103321 Autore Intrinsic Remediation Committee Titolo Natural attenuation for groundwater remediation [[electronic resource] /] / Committee on Intrinsic Remediation, Water Science and Technology Board [and] Board on Radioactive Waste Management, Commission on Geosciences, Environment, and Resources Washington, D.C., : National Academy Press, c2000 Pubbl/distr/stampa Washington, D.C.:,: National Academy Press,, 2000 **ISBN** 0-309-13280-0 0-309-51645-5 Descrizione fisica 1 online resource (288 p.) 628.1/68 Disciplina Soggetti Hazardous wastes - Natural attenuation - Evaluation In situ bioremediation - Evaluation Hazardous waste site remediation - Evaluation Groundwater - Purification Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. ""Front Matter""; ""Preface""; ""Contents""; ""Executive Summary""; Nota di contenuto ""Introduction: Using Natural Processes in Groundwater Restoration 1"": ""Community Concerns About Natural Attenuation 2""; ""Scientific Basis for Natural Attenuation 3""; ""Approaches for Evaluating Natural Attenuation 4""; ""Protocols for Documenting Natural Attenuation 5""; ""A Acronyms""; ""B Presenters at the Committeea€?s Information-Gathering Meetings""; ""C Biographical Sketches of Committee Members and Staff""; ""Index"" In the past decade, officials responsible for clean-up of contaminated Sommario/riassunto groundwater have increasingly turned to natural attenuation -essentially allowing naturally occurring processes to reduce the toxic potential of contaminants -- rather than engineered solutions. This saves both money and headaches. To the people in surrounding communities, though, it can appear that clean-up officials are simply walking away from contaminated sites. When is natural attenuation the

appropriate approach to a clean-up? This book presents the consensus

of a diverse committee, informed by the views of researchers, regulators, and community activists. The committee reviews the likely effectiveness of natural attenuation with different classes of contaminants -- and describes how to evaluate the "footprints" of natural attenuation at a site to determine whether natural processes will provide adequate clean-up. Included are recommendations for regulatory change. The book also emphasizes the importance of the public's belief and attitudes toward remediation and provides guidance on involving community stakeholders throughout the clean-up process.