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Water Using Iron Oxide-Coated Coal Ash

12 Development of a Simple Arsenic Filter for Groundwater of Bangladesh Based on a Composite Iron Matrix13 Community-Based Wellhead Arsenic Removal Units in Remote Villages of West Bengal, India; 14 Water Supply Technologies for Arsenic Mitigation; 15 Solutions for Arsenic Contamination of Groundwater; Index

Sommario/riassunto

Provides a viable reference, describing the state-of-knowledge on sources of arsenic contamination in ground water, which affects about 100 million people worldwide. With contributions from world-renowned experts in the field, this book explores developments in the transport kinetics, detection, measurement, seasonal cycling, accumulation, geochemistry, removal, and toxicology of arsenic. Includes compelling case studies describing how arsenic contamination occurs and the devastating effects on the people and environment affected by it.