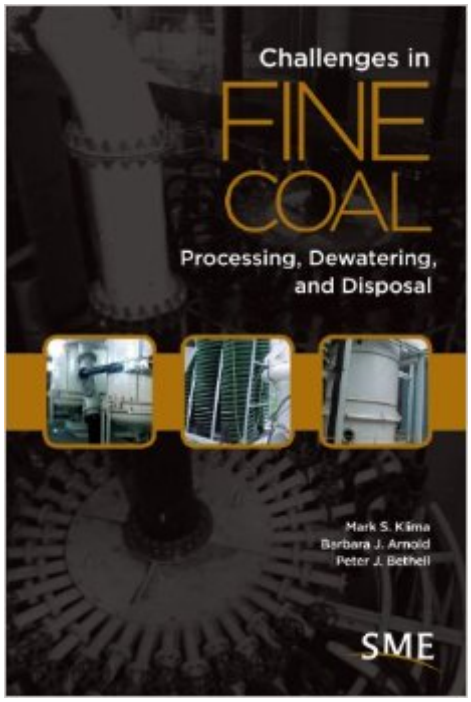
Challenges In Fine Coal Processing, Dewatering, And Disposal



Synopsis

Coal mining and preparation have had a long history in the United States and the world, serving as the engine of growth for many industries. Today, new sources of energy, increased environmental awareness, and more stringent regulations from the U.S. Environmental Protection Agency and other organizations are changing the way coal is found, extracted, and used. As a result, fine coal cleaning, dewatering, and refuse disposal are now at a major crossroads.The increased level of fines, and near-density material in the inferior seams being mined today, necessitates the development of more efficient fine coal cleaning devices. This in turn requires improvements in traditional dewatering techniques to address the need for acceptable moisture levels in plant products. Moreover, the larger volume of fine refuse being generated, coupled with harsher disposal regulations, requires upgraded treatment options.This book is a compilation of information presented at the 2012 Fine Coal Symposium, sponsored by the Coal Preparation Society of America; the Pittsburgh Section of the Society for Mining, Metallurgy, and Exploration, Inc.; and the Pittsburgh Coal Mining Institute of America.Provided by international coal companies, major research organizations, technology developers, and industry leaders, the information includes both general knowledge and in-depth discussion on the current challenges facing the industry, techniques for designing more efficient plants, and new cleaning and dewatering technologies. The book is a practical yet cutting-edge resource for plant designers, engineers, and other practitioners, and for university students and faculty.

Book Information

Paperback: 404 pages
Publisher: Society for Mining, Metallurgy, and Exploration (October 22, 2012)
Language: English
ISBN-10: 0873353633
ISBN-13: 978-0873353632
Product Dimensions: 6 x 0.9 x 9 inches
Shipping Weight: 1.4 pounds (View shipping rates and policies)
Average Customer Review: Be the first to review this item
Best Sellers Rank: #3,237,142 in Books (See Top 100 in Books) #47 inÂ Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Fossil Fuels > Coal #729 inÂ Books > Engineering & Transportation > Engineering > Industrial, Manufacturing & Operational Systems > Industrial Technology #930 inÂ Books > Engineering & Transportation > Engineering >

Energy Production & Extraction > Mining

Challenges in Fine Coal Processing, Dewatering, and Disposal Tank Waste Retrieval, Processing, and On-site Disposal at Three Department of Energy Sites: Final Report Trace Elements in Coal and Coal Combustion Residues (Advances in Trace Substances Research) The Buffalo Creek Disaster: How the Survivors of One of the Worst Disasters in Coal-Mining History Brought Suit Against the Coal Company- And Won The Coal Handbook: Towards Cleaner Production: Coal Production (Woodhead Publishing Series in Energy) Economics of the International Coal Trade: The Renaissance of Steam Coal Construction Dewatering: New Methods and Applications (Wiley Series of Practical Construction Guides) Groundwater Lowering in Construction: A Practical Guide to Dewatering, Second Edition (Applied Geotechnics) Professional Nursing: Concepts & Challenges (Professional Nursing; Concepts and Challenges) Wastewater Engineering: Treatment Disposal Reuse Prudent Practices for Disposal of Chemicals from Laboratories Waste Disposal in Academic Institutions Hazardous Laboratory Chemicals Disposal Guide, Second Edition Nuclear Reactions: The Politics of Opening a Radioactive Waste Disposal Site Computer Processing of Oriental Languages. Beyond the Orient: The Research Challenges Ahead: 21st International Conference, ICCPOL 2006, Singapore, ... (Lecture Notes in Computer Science) Bayesian Signal Processing: Classical, Modern and Particle Filtering Methods (Adaptive and Cognitive Dynamic Systems: Signal Processing, Learning, Communications and Control) Speech and Audio Signal Processing: Processing and Perception of Speech and Music Biosignal and Medical Image Processing (Signal Processing and Communications) Signal Processing Algorithms in Fortran and C (Prentice-Hall Signal Processing Series) Materials Processing: A Unified Approach to Processing of Metals, Ceramics and Polymers