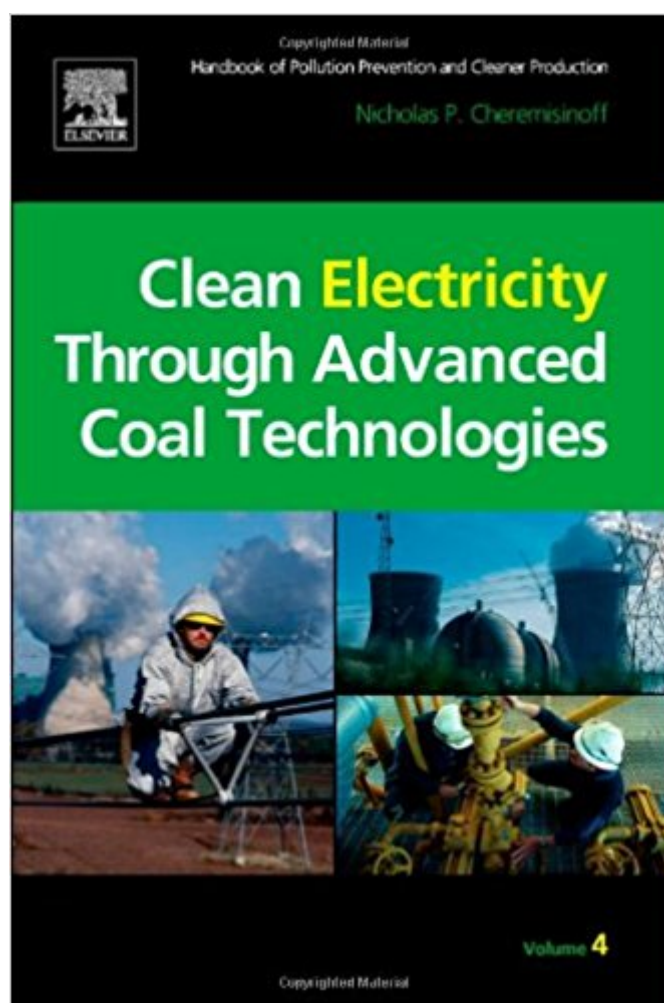


The book was found

Clean Electricity Through Advanced Coal Technologies: Handbook Of Pollution Prevention And Cleaner Production



Synopsis

Coal power is a major cause of air pollution and global warming and has resulted in the release of toxic heavy metals and radionuclides, which place communities at risk for long-term health problems. However, coal-fired power plants also currently fuel 41% of global electricity. *Clean Electricity Through Advanced Coal Technologies* discusses the environmental issues caused by coal power, such as air pollution, greenhouse gas emissions and toxic solid wastes. This volume focuses on increasingly prevalent newer generation technologies with smaller environmental footprints than the existing coal-fired infrastructure throughout most of the world. These technologies include fluidized-bed combustion and gasification. It also provides an overview of carbon capture and sequestration technologies and closely examines the 2008 Kingston TVA spill, the largest fly ash release ever to have occurred in the United States. Each volume of the Handbook of Pollution Prevention and Cleaner Production covers manufacturing technologies, waste management, pollution issues, methods for estimating and reporting emissions, treatment and control techniques, worker and community health risks, cost data for pollution management, and cleaner production and prevention options. Discusses the environmental impact of coal power, including air pollution, greenhouse gas emissions and solid toxic wastes Focuses on newer coal technologies with smaller environmental footprints than existing infrastructure Provides an overview of carbon capture and sequestration technologies

Book Information

Series: Handbook of Pollution Prevention and Cleaner Production

Hardcover: 200 pages

Publisher: William Andrew; 1 edition (July 24, 2012)

Language: English

ISBN-10: 1437778151

ISBN-13: 978-1437778151

Product Dimensions: 6 x 0.5 x 9 inches

Shipping Weight: 1 pounds (View shipping rates and policies)

Average Customer Review: 4.0 out of 5 stars 1 customer review

Best Sellers Rank: #6,343,424 in Books (See Top 100 in Books) #88 in Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Fossil Fuels > Coal #1212 in Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Electric #1865 in Books > Engineering & Transportation > Engineering > Energy Production &

Customer Reviews

Nicholas P. Cheremisinoff, Ph.D. (Ch.E.) is Director of Clean Technologies and Pollution Prevention Projects at PERI (Princeton Energy Resources International, LLC, Rockville, MD). He has led hundreds of pollution prevention audits and demonstrations; training programs on modern process design practices and plant safety; environmental management and product quality programs; and site assessments and remediation plans for both public and private sector clients throughout the world. He frequently serves as expert witness on personal injury and third-party property damage litigations arising from environmental catastrophes. Dr. Cheremisinoff has contributed extensively to the literature of environmental and chemical engineering as author, co-author, or editor of 150 technical reference books, including Butterworth-Heinemann's Handbook of Chemical Processing Equipment, and Green Profits. He holds advanced degrees in chemical engineering from Clarkson College of Technology."

This was a book for work, and I must say it's comprehensive and well-written so even someone without a lot of engineering background can understand it.

[Download to continue reading...](#)

Clean Electricity Through Advanced Coal Technologies: Handbook of Pollution Prevention and Cleaner Production The Coal Handbook: Towards Cleaner Production: Volume 1: Coal Production (Woodhead Publishing Series in Energy) The Coal Handbook: Towards Cleaner Production: Volume 2: Coal Utilisation (Woodhead Publishing Series in Energy) Clean Eating: 365 Days of Clean Eating Recipes (Clean Eating, Clean Eating Cookbook, Clean Eating Recipes, Clean Eating Diet, Healthy Recipes, For Living Wellness and Weight loss, Eat Clean Diet Book Clean Coal/Dirty Air: or How the Clean Air Act Became a Multibillion-Dollar Bail-Out for High-Sulfur Coal Producers (Yale Fastback Series) Industrial Coal Gasification Technologies Covering Baseline and High-Ash Coal Coal Power Technologies Explained Simply: Energy Technologies Explained Simply (Volume 6) Clean Eating: Clean Eating Diet: The 7-Day Plan for Weight Loss & Delicious Recipes for Clean Eating Diet (Clean Eating, Weight Loss, Healthy Diet, Healthy ... Paleo Diet, Lose Weight Fast, Flat Belly) Electricity and Magnetism, Grades 6 - 12: Static Electricity, Current Electricity, and Magnets (Expanding Science Skills Series) Shocking! Where Does Electricity Come From? Electricity and Electronics for Kids - Children's Electricity & Electronics 25 Uses of Electricity 4th Grade Electricity Kids Book | Electricity & Electronics Modern Radio Production: Production Programming &

Performance (Wadsworth Series in Broadcast and Production) Industrial Pollution Prevention Handbook CLEAN EATING: The Detox Process And Clean Eating Recipes That Help you lose weight naturally (Clean eating cookbook, Weight Watchers,Sugar free detox,Healthy ... Eating Cookbook,Loss weight Fast,Eat thin) Wipe Clean: Learning Sight Words: Includes a Wipe-Clean Pen and Flash Cards! (Wipe Clean Learning Books) 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 Trace Elements in Coal and Coal Combustion Residues (Advances in Trace Substances Research) Coal and Peat Fires: A Global Perspective: Volume 3: Case Studies – Coal Fires Analytical Methods for Coal and Coal Products, Vol. 2 Spectroscopic Analysis of Coal Liquids (Coal Science and Technology Vol 12)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)