



# Coal-Fired Power Generation Handbook

*By James G. Speight*

Download now

Read Online ➔

## Coal-Fired Power Generation Handbook By James G. Speight

The most complete and up-to-date handbook on power generation from coal, this book covers all of today's new, cleaner methods for creating electricity from coal, the environmental challenges and concerns involved in its production, and developing technologies. It describes new technologies that could virtually eliminate the sulfur, nitrogen, and mercury pollutants released when coal is burned for electricity generation. In addition, the text details technologies for greenhouse gases capture from coal-fired power plants, as well as for preventing such emissions from contributing to global warming.

 [Download Coal-Fired Power Generation Handbook ...pdf](#)

 [Read Online Coal-Fired Power Generation Handbook ...pdf](#)

# Coal-Fired Power Generation Handbook

*By James G. Speight*

## **Coal-Fired Power Generation Handbook** By James G. Speight

The most complete and up-to-date handbook on power generation from coal, this book covers all of today's new, cleaner methods for creating electricity from coal, the environmental challenges and concerns involved in its production, and developing technologies. It describes new technologies that could virtually eliminate the sulfur, nitrogen, and mercury pollutants released when coal is burned for electricity generation. In addition, the text details technologies for greenhouse gases capture from coal-fired power plants, as well as for preventing such emissions from contributing to global warming.

## **Coal-Fired Power Generation Handbook** By James G. Speight Bibliography

- Sales Rank: #3069716 in Books
- Published on: 2013-05-13
- Original language: English
- Number of items: 1
- Dimensions: 9.40" h x 1.50" w x 6.20" l, 2.55 pounds
- Binding: Hardcover
- 760 pages

 [Download Coal-Fired Power Generation Handbook ...pdf](#)

 [Read Online Coal-Fired Power Generation Handbook ...pdf](#)

## **Editorial Review**

### Review

“This up-to-date book is a mandatory reference for coal geologists, engineers, economists, and environmentalists. Summing Up: Highly recommended. Upper-division undergraduates through professionals/practitioners; two-year technical program students.” (*Choice*, 1 December 2013)

### From the Back Cover

**The most complete and up-to-date handbook on power generation from coal, this book covers all of today's new, cleaner methods for creating electricity from coal, the environmental challenges and concerns involved in its production, and developing technologies**

Coal accounts for approximately one quarter of world energy consumption. Of the coal produced worldwide, approximately 65% is shipped to electricity producers and 33% to industrial consumers, and most of the remainder goes to consumers in the residential and commercial sectors. The total share of total world energy consumption by coal is expected to increase to almost 30% in 2035.

This handbook describes the challenges and steps by which electricity is produced from coal and deals with the challenges for removing the environmental objections to the use of coal in future power plants. New technologies are described that could virtually eliminate the sulfur, nitrogen, and mercury pollutants that are released when coal is burned for electricity generation. In addition, technologies for the capture of greenhouse gases emitted from coal-fired power plants are described and the means of preventing such emissions from contributing to global warming concerns.

### ***Coal-Fired Power Generation Handbook:***

- Details the manner in which coal properties can influence electricity production
- Describes the relevant clean coal technologies in an understandable manner
- Presents a realistic overview of the future of electricity generation from coal
- Documents the role of coal in energy security scenarios

### About the Author

**James G. Speight** is a senior fuel consultant and Visiting Professor at the University of Trinidad and Tobago and Adjunct Professor of Chemical and Fuels Engineering at the University of Utah, USA. He is recognized internationally as an expert in the characterization, properties, and processing of conventional and synthetic fuels and has more than 40 years of experience in the process industries. He is the author of numerous books and papers and the editor on the *Journal of Sustainable Energy Engineering*, and he has won numerous awards and distinctions.

## **Users Review**

### **From reader reviews:**

#### **Anne Larsen:**

In this 21st hundred years, people become competitive in every way. By being competitive currently, people have do something to make all of them survives, being in the middle of often the crowded place and notice through surrounding. One thing that oftentimes many people have underestimated it for a while is reading. Yep, by reading a guide your ability to survive increase then having chance to stand up than other is high. To suit your needs who want to start reading any book, we give you this particular Coal-Fired Power Generation Handbook book as nice and daily reading book. Why, because this book is usually more than just a book.

#### **Russell Wade:**

Spent a free a chance to be fun activity to do! A lot of people spent their leisure time with their family, or their own friends. Usually they doing activity like watching television, planning to beach, or picnic from the park. They actually doing same thing every week. Do you feel it? Do you wish to something different to fill your current free time/ holiday? Can be reading a book may be option to fill your free time/ holiday. The first thing that you will ask may be what kinds of e-book that you should read. If you want to try out look for book, may be the guide untitled Coal-Fired Power Generation Handbook can be great book to read. May be it could be best activity to you.

#### **Corinna Edwards:**

The reason? Because this Coal-Fired Power Generation Handbook is an unordinary book that the inside of the book waiting for you to snap the item but latter it will surprise you with the secret the item inside. Reading this book next to it was fantastic author who also write the book in such awesome way makes the content on the inside easier to understand, entertaining means but still convey the meaning totally. So , it is good for you for not hesitating having this nowadays or you going to regret it. This unique book will give you a lot of advantages than the other book get such as help improving your proficiency and your critical thinking means. So , still want to delay having that book? If I ended up you I will go to the guide store hurriedly.

#### **Robert Lewis:**

Your reading 6th sense will not betray you, why because this Coal-Fired Power Generation Handbook guide written by well-known writer who really knows well how to make book that could be understand by anyone who read the book. Written with good manner for you, dripping every ideas and writing skill only for eliminate your own personal hunger then you still uncertainty Coal-Fired Power Generation Handbook as good book not simply by the cover but also through the content. This is one publication that can break don't judge book by its cover, so do you still needing yet another sixth sense to pick this kind of!? Oh come on your examining sixth sense already told you so why you have to listening to an additional sixth sense.

**Download and Read Online Coal-Fired Power Generation  
Handbook By James G. Speight #Q8XY1BDN02K**

## **Read Coal-Fired Power Generation Handbook By James G. Speight for online ebook**

Coal-Fired Power Generation Handbook By James G. Speight Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Coal-Fired Power Generation Handbook By James G. Speight books to read online.

## **Online Coal-Fired Power Generation Handbook By James G. Speight ebook PDF download**

**Coal-Fired Power Generation Handbook By James G. Speight Doc**

**Coal-Fired Power Generation Handbook By James G. Speight Mobipocket**

**Coal-Fired Power Generation Handbook By James G. Speight EPub**

**Q8XY1BDN02K: Coal-Fired Power Generation Handbook By James G. Speight**