



Air Pollution Control: A Design Approach

By C. David Cooper, F. C. Alley

Download now

Read Online ➔

Air Pollution Control: A Design Approach By C. David Cooper, F. C. Alley

A 25-year tradition of excellence is extended in the Fourth Edition of this highly regarded text. In clear, authoritative language, the authors discuss the philosophy and procedures for the design of air pollution control systems. Their objective is twofold: to present detailed information on air pollution and its control, and to provide formal design training for engineering students.

New to this edition is a comprehensive chapter on carbon dioxide control, perhaps the most critical emerging issue in the field. Emphasis is on methods to reduce carbon dioxide emissions and the technologies for carbon capture and sequestration. An expanded discussion of control technologies for coal-fired power plants includes details on the capture of NO_x and mercury emissions. All chapters have been revised to reflect the most recent information on U.S. air quality trends and standards. Moreover, where available, equations for equipment cost estimation have been updated to the present time. Abundant illustrations clarify the concepts presented, while numerous examples and end-of-chapter problems reinforce the design principles and provide opportunities for students to enhance their problem-solving skills.

Not-for-sale instructor resource material available to college and university faculty only; contact publisher directly.

Titles of related interest also available from Waveland Press: Bishop, *Pollution Prevention: Fundamentals and Practice* (ISBN 9781577663485) and de Nevers, *Air Pollution Control Engineering*, Third Edition (ISBN 9781478629054).

↓ [Download Air Pollution Control: A Design Approach ...pdf](#)

📖 [Read Online Air Pollution Control: A Design Approach ...pdf](#)

Air Pollution Control: A Design Approach

By C. David Cooper, F. C. Alley

Air Pollution Control: A Design Approach By C. David Cooper, F. C. Alley

A 25-year tradition of excellence is extended in the Fourth Edition of this highly regarded text. In clear, authoritative language, the authors discuss the philosophy and procedures for the design of air pollution control systems. Their objective is twofold: to present detailed information on air pollution and its control, and to provide formal design training for engineering students.

New to this edition is a comprehensive chapter on carbon dioxide control, perhaps the most critical emerging issue in the field. Emphasis is on methods to reduce carbon dioxide emissions and the technologies for carbon capture and sequestration. An expanded discussion of control technologies for coal-fired power plants includes details on the capture of NO_x and mercury emissions. All chapters have been revised to reflect the most recent information on U.S. air quality trends and standards. Moreover, where available, equations for equipment cost estimation have been updated to the present time. Abundant illustrations clarify the concepts presented, while numerous examples and end-of-chapter problems reinforce the design principles and provide opportunities for students to enhance their problem-solving skills.

Not-for-sale instructor resource material available to college and university faculty only; contact publisher directly.

Titles of related interest also available from Waveland Press: Bishop, *Pollution Prevention: Fundamentals and Practice* (ISBN 9781577663485) and de Nevers, *Air Pollution Control Engineering*, Third Edition (ISBN 9781478629054).

Air Pollution Control: A Design Approach By C. David Cooper, F. C. Alley Bibliography

- Sales Rank: #389826 in Books
- Brand: Brand: Waveland Pr Inc
- Published on: 2010-09-01
- Original language: English
- Number of items: 1
- Dimensions: 9.00" h x 6.00" w x 1.50" l, 2.45 pounds
- Binding: Hardcover
- 839 pages



[Download Air Pollution Control: A Design Approach ...pdf](#)



[Read Online Air Pollution Control: A Design Approach ...pdf](#)

Download and Read Free Online Air Pollution Control: A Design Approach By C. David Cooper, F. C. Alley

Editorial Review

From the Back Cover

"I loved the previous edition, and this edition is even better. The addition of the CO₂ chapter is excellent." -- Marko Princevac, *University of California, Riverside*

"This is a classic textbook. I have used the second, third, and now the fourth editions over the past fifteen years. I like the detailed coverage of critical control technologies and its application to real-world solutions. Students prefer the textbook for its problem-solving approaches and rigorous worked examples." -- John Kuruvilla, *University of North Texas*

"One of the best books in air pollution." -- Shekar Viswanathan, *San Diego State University*

"This new edition is a timely publication of emerging topics such as CO₂ control and indoor air quality." -- Chang-Yu Wu, *University of Florida*

"I liked the third edition, so I am very much pleased with the fourth. Inclusion of the chapter on carbon sequestration is quite beneficial. My thanks to the authors!" -- Stephen Zemba, *Tufts University*

Users Review

From reader reviews:

Francis Dawson:

The e-book with title Air Pollution Control: A Design Approach has lot of information that you can find out it. You can get a lot of help after read this book. This kind of book exist new information the information that exist in this reserve represented the condition of the world today. That is important to yo7u to know how the improvement of the world. This kind of book will bring you inside new era of the the positive effect. You can read the e-book with your smart phone, so you can read the item anywhere you want.

Lenore Ryan:

People live in this new day time of lifestyle always make an effort to and must have the spare time or they will get lot of stress from both day to day life and work. So , once we ask do people have spare time, we will say absolutely sure. People is human not just a robot. Then we request again, what kind of activity do you have when the spare time coming to an individual of course your answer may unlimited right. Then do you ever try this one, reading textbooks. It can be your alternative with spending your spare time, the particular book you have read is Air Pollution Control: A Design Approach.

William Jimenes:

Do you have something that you like such as book? The e-book lovers usually prefer to opt for book like comic, limited story and the biggest some may be novel. Now, why not seeking Air Pollution Control: A

Design Approach that give your pleasure preference will be satisfied by reading this book. Reading behavior all over the world can be said as the method for people to know world better then how they react in the direction of the world. It can't be said constantly that reading practice only for the geeky individual but for all of you who wants to always be success person. So , for every you who want to start reading through as your good habit, you can pick Air Pollution Control: A Design Approach become your own starter.

Evita Young:

Many people spending their period by playing outside along with friends, fun activity using family or just watching TV 24 hours a day. You can have new activity to pay your whole day by studying a book. Ugh, do you think reading a book can definitely hard because you have to take the book everywhere? It fine you can have the e-book, delivering everywhere you want in your Mobile phone. Like Air Pollution Control: A Design Approach which is having the e-book version. So , why not try out this book? Let's observe.

Download and Read Online Air Pollution Control: A Design Approach By C. David Cooper, F. C. Alley #UP2Y8I537C4

Read Air Pollution Control: A Design Approach By C. David Cooper, F. C. Alley for online ebook

Air Pollution Control: A Design Approach By C. David Cooper, F. C. Alley 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 Air Pollution Control: A Design Approach By C. David Cooper, F. C. Alley books to read online.

Online Air Pollution Control: A Design Approach By C. David Cooper, F. C. Alley ebook PDF download

Air Pollution Control: A Design Approach By C. David Cooper, F. C. Alley Doc

Air Pollution Control: A Design Approach By C. David Cooper, F. C. Alley Mobipocket

Air Pollution Control: A Design Approach By C. David Cooper, F. C. Alley EPub

UP2Y8I537C4: Air Pollution Control: A Design Approach By C. David Cooper, F. C. Alley