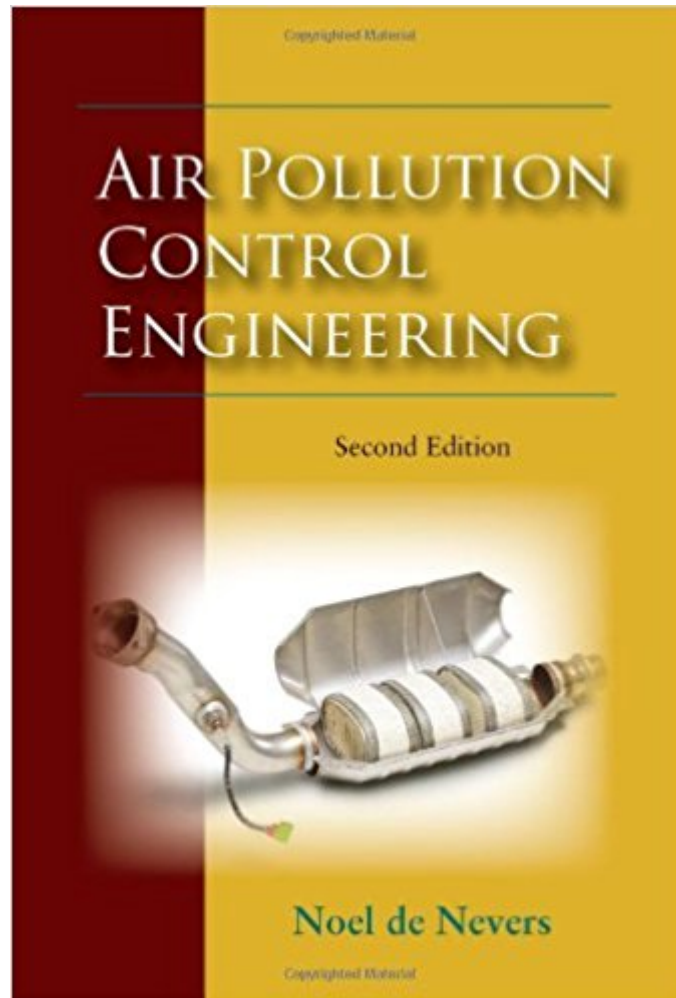




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Air Pollution Control Engineering



Synopsis

Air pollution control can be approached from a number of different engineering disciplines environmental, chemical, civil, and mechanical. To that end, Noel de Nevers has written an engaging overview of the subject. While based on the fundamentals of chemical engineering, the treatment is accessible to readers with only one year of college chemistry. In addition to discussion of individual air pollutants and the theory and practice of air pollution control devices, de Nevers devotes about half the book to topics that influence device selection and design, such as atmospheric models and U.S. air pollution law. The generous number of end-of-chapter problems are designed to develop more complex thinking about the concepts presented and integrate them with readers personal experience increasing the likelihood of deeper understanding.

TABLE OF CONTENTS: Introduction to Air Pollution Control / Air Pollution Effects / Air Pollution Control Laws and Regulations, Air Pollution Control Philosophies / Air Pollution Measurements, Emission Estimates / Meteorology for Air Pollution Control Engineers / Air Pollutant Concentration Models / General Ideas in Air Pollution Control / The Nature of Particulate Pollutants / Control of Primary Particulates / Control of Volatile Organic Compounds / Control of Sulfur Oxides / Control of Nitrogen Oxides / The Motor Vehicle Problem / Air Pollutants and Global Climate / Other Topics / Appendixes: Useful Values / Table of Acronyms / Fuels / Elementary Chemistry of Ozone Production / Adsorber Breakthrough Time / Answers to Selected Problems

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

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Customer Reviews

Title of related interest also from Waveland Press: Cooper-Alley, Air Pollution Control: A Design Approach, Fourth Edition (ISBN 9781577666783).

This is a very good book--I enjoyed reading it for my class. It's interesting, well-written, and well-researched. A lot of people in engineering don't care if the textbook is "well-written," but I think it's important. I don't learn as well when the person who wrote the textbook is a bad writer, and it really even turns me off of the subject sometimes. It has good organization, clear graphs and equations, and interesting problems and applications. It is also fun to supplement this with the book Consider a Spherical Cow by John Harte. It is helpful for understanding many concepts from this textbook, especially the box model.

The book was required by a class of mine, and i have to say its one of the better books of my college career. Its easy to read and generally easy to understand. The example problems are not these pathetically easy problems that are useless as guides fro homework. I can be a little boring to look at since everything is in black and white and drawings (but they are easy to understand). One problem its a little dated originally published in the early 2000's, its still a very good introductory book

Excellent book

Good quality.

Text book I need ,brand new.

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