



This **Air Pollution Control Technology Handbook (Second Edition)** was published in 2015 and also available as an eBook from October 25, 2015. The content is ideal for anyone with an engineering or science background who needs a basic introduction to the design of air pollution control equipment. It can also be used as a textbook or reference in continuing education programs, colloquiums, seminars or university classrooms. It's written by the author to be used as a manual reference for practicing engineers or scientists who need to provide the basics of process engineering and cost estimation that necessary for the design of air pollution control systems within the industry.

Users who wish to use this book should have a basic understanding of the factors that cause air pollution and a general knowledge of the techniques used to control air pollution. The topics presented in this handbook are covered in sufficient depth that the user can proceed with basic equipment design using the methods and design equations presented.

Complete with 24 chapters from introduction to legislation for clean air, engagements involving clean air, models involved, ambient air quality and continuous emission monitoring, cost estimation and process design strategies, gas pollutant control, fundamentals of particle control, design forms hood shapes, ductwork, cyclones, wet scrubbers, filtration and bag houses and electrostatic precipitation are among the interesting chapters to explore from this book. Although there are others subtitles in this book that are also useful to understand especially for those involved as engineers and scientists in the chemical and petroleum processing industry as well as the steam power plant and gas turbine industry. Interestingly for DOE staff, the content of each chapter stated in this book is complete and is also loaded with clear and easy-to-understand pictures, charts and examples.

To summarize this book, it comprises of ways the system specialists in air pollution control to apply techniques that are used in control, review alternative design methods and equipment proposals from vendors, including conducting cost studies of control equipment. Hence, this book is able to provide with an in-depth study in air pollution technology which suitable for DOE personnel to gain a good insight in studying the aspect of air pollution control technology available in the market; especially to personnel working in the Notification Unit, Operations and Enforcement Division and EIA Unit.

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