



Advanced air and noise pollution control /

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Humana Press,
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Electronic books

Monografía

The past twenty-five years have witnessed a growing worldwide drive to restore the quality of our environment and to protect it from the degrading effects of air, noise, solid waste, and water pollution. In *Advanced Air and Noise Pollution Control: Handbook of Environmental Engineering, Volume 2*, leading pollution control educators and practicing professionals describe how various combinations of different cutting-edge process systems can be arranged to solve air, noise, and thermal pollution problems. Each chapter discusses in detail a variety of process combinations, along with technical and economic evaluations, and presents explanations of the principles behind the designs, as well as numerous variant designs useful to practicing engineers. The emphasis throughout is on developing the necessary engineering solutions from fundamental principles of chemistry, physics, and mathematics. The authors also include extensive references, cost data, design methods, guidance on the installation and operation of various air pollution control process equipment and systems, and Best Available Technologies (BAT) for air, thermal, and noise pollution control. A companion volume, *Air Pollution Control Engineering: Handbook of Environmental Engineering, Volume 1* critically surveys the principles and practices involved in basic air pollution control processes. Cutting-edge and highly practical, *Advanced Air and Noise Pollution Control: Handbook of Environmental Engineering, Volume 2* offers educators, students, and practicing engineers a strong grounding in the principles of this critical field, as well as effective methods for developing optimal abatement technologies at costs that are fully justified by the degree of abatement achieved.

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Título: Advanced air and noise pollution control edited by Lawrence K. Wang, Norman C. Pereira, Yung-Tse Hung ; consulting editor, Kathleen Hung Li

Editorial: Totowa, N.J. Humana Press ©2005

Descripción física: 1 online resource (xviii, 526 pages) illustrations

Mención de serie: Handbook of environmental engineering v. 2

Documento fuente: Springer e-books

Bibliografía: Includes bibliographical references and index

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Lengua: English

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ISBN: 1588293599 alk. paper) 9781588293596 alk. paper) 1592597793 electronic bk.) 9781592597796 electronic bk.) 9786610360222 6610360227 1280360224 9781280360220

Materia: Air- Pollution Air quality management Noise pollution Noise control TECHNOLOGY & ENGINEERING- Environmental- General. Sciences de la terre. Environnement. Air- Pollution. Air quality management. Noise control. Noise pollution.

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Enlace a formato físico adicional: Print version Advanced air and noise pollution control. Totowa, N.J. : Humana Press, ©2005 1588293599 (DLC) 2003023705 (OCoLC)53375316

Punto acceso adicional serie-Título: Handbook of environmental engineering (2004) v. 2

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