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pollution control in environmental engineering any of a variety of means employed to limit damage done to the environment by the discharge of harmful substances and energies learn about the social and economic decisions that are involved with pollution control with this article the contributors detail the best available technologies bat for air pollution control and provide cost data examples theoretical explanations and engineering methods for the design installation and operation of air pollution process equipment a control strategy related to air quality is a set of specific techniques and measures identified and implemented to achieve reductions in air pollution to attain an air quality standard or goal on this page considerations in designing an effective air quality control strategy controlling sources of pollution air pollution control the techniques employed to reduce or eliminate the emission into the atmosphere of substances that can harm the environment or human health the control of air pollution is one of the principal areas of pollution control along with wastewater treatment solid waste this volume of air pollution control engineering a companion to the volume advanced air and noise pollution control has been designed to serve as a basic air pollution control design textbook as well as a comprehensive reference this revised edition of the book on environmental pollution control engineering features a systematic and thorough treatment of the principles of the origin of air water and land air pollution control engineering for environmental engineers covers topics including regulatory approaches to managing air pollution emissions calculations and control technologies for various air pollutants this textbook also presents practical and contemporary issues such as fugitive component leak detection and repair Idar twenty first century air pollution control is concerned with more than just the release to atmosphere of visible pollutants such as smoke fume and poisonous or noxious particulate matter we may also have to restrict or even prevent releases of environmental pollutants such as greenhouse gases those which produce ground level ozone and those the air quality act of 1967 articulated that the federal government has the right and duty to enforce control measures for air pollution this chapter focuses on control techniques for particulate and gaseous pollutants the contributors detail the best available technologies bat for air pollution control and provide cost data examples theoretical explanations and engineering methods for the design air quality engineers monitor and track air pollution helping reduce its harmful effects learn more about how an engineering career can help the planet air pollution control focuses on the fundamentals of air pollutant formation in process technologies and the identification of options for mitigating or preventing air pollutant emissions this book will cover topics that are fundamental to pollution control engineers and professionals including air pollution and its management through regulatory approaches calculating and estimating emissions and appying con the student completing this course will be able to 1 identify classify and prioritize major emission sources 2 categorize and describe major types of regulations 3 apply mass balance energy balance chemical equilibrium and chemical kinetic concepts to estimate pollutant formation rates for a variety of major

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