



Industrial waste treatment [contemporary practice and vision for the future] /

Nemerow, Nelson Leonard

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Monografía

Taking the reader through the history of industrial waste treatment and directing them toward a new path of best practice, this book illustrates how current treatment techniques are affected by regulatory and economic constraints, scientific knowledge and tolerances. This book provides the reader with the basis for a more effective method of waste treatment which is sustainable and supportive of industrial improvements. Overall, it provides valuable information for planners, industrial, civil and environmental engineers and government officials for a better understanding of current practices and regulatory history and how these factors relate to the ability to complete environmental solutions to industrial waste problems. * Provides environmental history from a professional/technical point-of-view as a basis for total solutions engineering * Includes sustainable practice necessary for the 21st Century * Thoroughly explores industry and environmental regulations over the past 150 years

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Contenido: Prologue -- Industrial environmental history -- Introduction to industrial waste treatment -- pt. A: Twentieth century. Theories and practices -- Contaminant concentration reduction -- Neutralization -- Equalization and proportioning -- Removal of suspended solids -- Removal of colloidal solids -- Removal of inorganic dissolved solids -- Removal of organic dissolved solids -- Treatment and disposal of sludge solids -- Joint treatment of raw industrial waste with domestic sewage -- Hazardous wastes -- Removal of industrial air contaminants -- pt. B: Twenty-first century. Foreword to the twenty-first century -- Preface to the twenty-first century -- Prologue to the

twenty-first century -- Rationale of environmentally balanced industrial complexes -- Procedure for industry in attaining zero pollution -- Economic justification for industrial complexes -- Realistic industrial complexes -- Potential industrial complexes -- Potential municipal-industrial complexes -- Naturally evolving industrial complexes -- Benefit-related expenditures for industrial waste treatment -- Summary

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