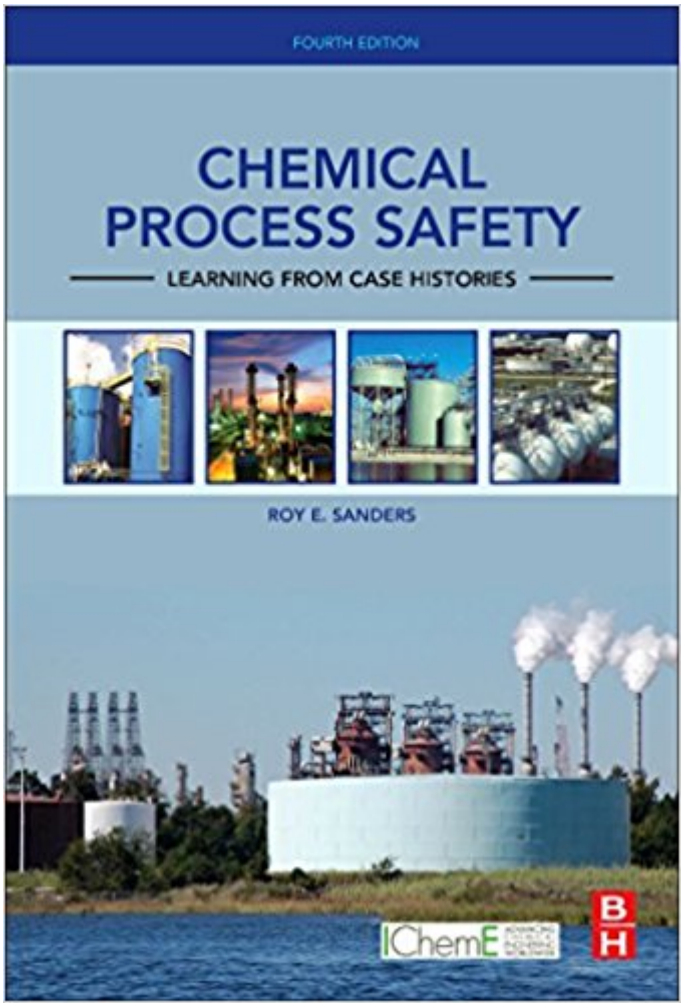
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Chemical Process Safety, Fourth Edition: Learning From Case Histories



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Synopsis

Chemical Process Safety: Learning from Case Histories, Fourth Edition gives insight into eliminating specific classes of hazards while also providing real case histories with valuable lessons to be learned. This edition also includes practical sections on mechanical integrity, management of change, and incident investigation programs, along with a list of helpful resources. The information contained in this book will help users stay up-to-date on all the latest OSHA requirements, including the OSHA-required Management of Change, Mechanical Integrity, and Incident Investigation regulations. Learn how to eliminate hazards in the design, operation, and maintenance of chemical process plants and petroleum refineries. World-renowned expert in process safety, Roy Sanders, shows how to reduce risks in plants and refineries, including a summary of case histories from high profile disasters and recommendations for how to avoid repeating the same mistakes. Following the principles outlined in this text will help save lives and reduce loss.Features additional new chapters covering safety culture, maintaining a sense of vulnerability, and additional learning opportunities from recent incidents and near missesContains updated information from the US Bureau of Labor Statistics and the National Safety Council, with concise summaries of some of the most important case histories of the twenty-first centuryIncludes significantly expanded information from the US Chemical Safety Board, US OSHA, American Institute of Chemical Engineers, and the UK Health and Safety Executive (HSE)Provides a completely updated chapter to guide readers to a wealth of reference material available on the web and elsewhere

Book Information

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Customer Reviews

"...it would be useful for a safety professional or operations manager looking for examples of incidents to use in training." --The Chemical Engineer, Chemical Process Safety, Fourth Edition "The emphasis in this book is on accidents that have occurred as the result of the unforeseen effects of changes to chemical plants. The descriptions are well written, easy to read and bring out the essentials of each incident. Everyone who works in the process industries, from operator to operations director, should read the book". --Trevor Kletz, ICI, IChemE "It is very welcome to see that Sanders has published this collection of cases, and he provides very valuable lessons for the chemical process industryÃ¢â ¬Â¦ This book should be essential reading for not just chemical engineers but engineers and safety managers worldwide."Ã Â --Dr. P.R. Lewis, Lecturer in Materials Engineering at the Open University

Sanders recently retired from PPG Industries in Lake Charles, LA. Roy worked for PPG for 42 years and specialized in Process Safety fundamentals since 1974. He is associated with the Mary Kay OÃ¢â ¬â„¢Connor Process Safety Center at Texas A&M, McNeese State University, Lake Charles, and is a member of the editorial boards of both the AIChEÃ¢â ¬â„¢s Process Safety Progress and PutmanÃ¢â ¬â„¢s Chemical Processing. He has taught brief process safety courses across the USA, as well as, Bahrain, Canada, India, the Netherlands Saudi Arabia and Taiwan.

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