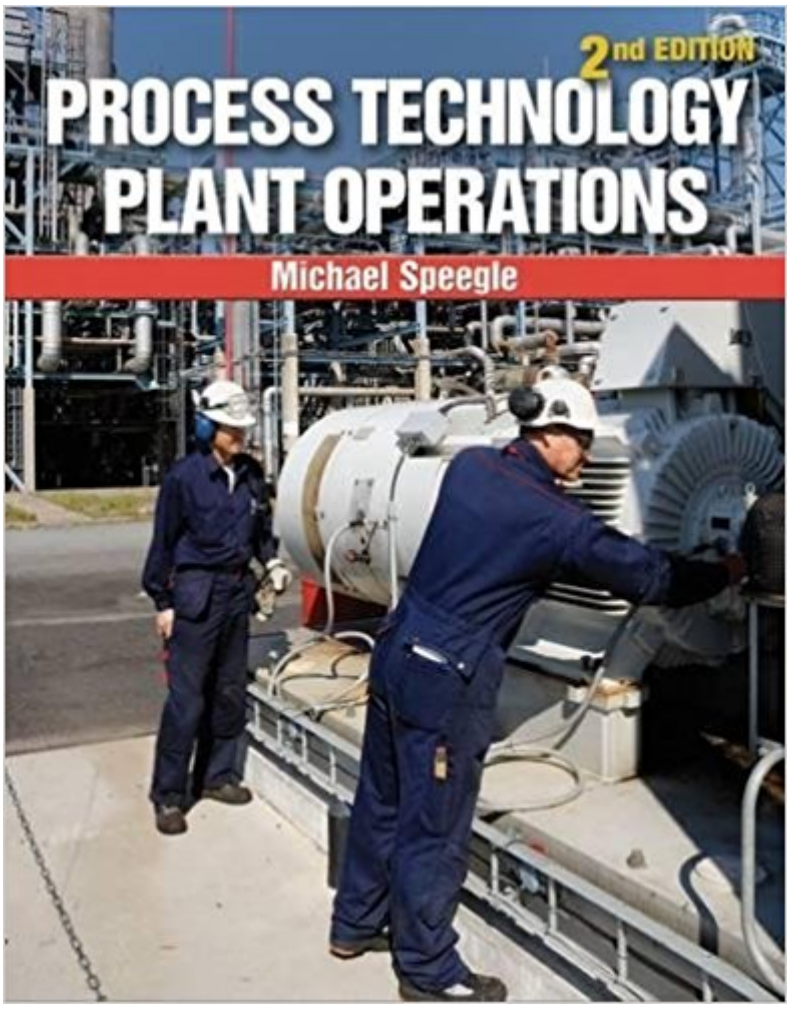
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Process Technology Plant Operations



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Synopsis

Addressing modern process plant operations in an easy-to-understand format, this comprehensive book reveals the important role technicians play in the function of a business unit. The author thoroughly examines operator responsibilities and functions, from recognizing opportunities that improve process operations, to detecting and removing threats to steady-state operation. The book also systematically explores business fundamentals and the importance of quality, as well as the chemistry and physics of process operations, maintenance duties, material handling, and process troubleshooting techniques. Now thoroughly expanded and updated, the Second Edition of this trusted guide includes new chapters on jobs in process technology, environmental compliance, emergency response, and instrumentation. With numerous new and revised tables and photos, as well as additional learning resources to promote Internet research and critical thinking, the book is an even more useful and effective resource for current and future process plant technicians.

Book Information

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Storage. 18. Process Unit Shutdown. 19. Process Unit Turnaround. 20. Process Unit Startup. 21. Abnormal Situations. 22. Process Troubleshooting. Glossary.

Michael R. Speegle is currently the Department Chairman of Process Technology, Instrumentation and Electrical Technology at San Jacinto College in Pasadena, Texas. He holds a master's degree in biology from the University of Texas at Arlington, and has worked for 18 years in the petrochemical and refining industry in various roles. Retired from BP-Amoco, Speegle completed three oil and gas internships sponsored by BP to enhance the teaching of oil and gas exploration and production. He is also the author of several books and articles in the field and co-authored two textbooks for analyzer technicians. Speegle is a member of the Gulf Coast Process Technology Association and has received a certificate in oil and gas production from the Center for the Advancement of Process Technology.

The 2nd Edition is not as complete as the 1st Edition. It contains a lot of information that is covered in the Introduction to Process Technology book while eliminating important information about hazards, sampling, sampling analysis and other information that should be covered in this course. I hope that Cengage continues to support the first edition as the eliminated information is important for safety, environmental compliance, and efficient operations.

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