



Guidelines for Chemical Process Quantitative Risk Analysis, 2nd Edition

CCPS (Center for Chemical Process Safety)

E-Book	978-0-470-93541-5	August 2010	\$232.99
Hardcover	978-0-816-90720-5	October 1999	\$290.25
O-Book	978-0-470-93542-2	September 2010	Available on Wiley Online Library

DESCRIPTION

Chemical process quantitative risk analysis (CPQRA) as applied to the CPI was first fully described in the first edition of this CCPS Guidelines book. This second edition is packed with information reflecting advances in this evolving methodology, and includes worked examples on a CD-ROM. CPQRA is used to identify incident scenarios and evaluate their risk by defining the probability of failure, the various consequences and the potential impact of those consequences. It is an invaluable methodology to evaluate these when qualitative analysis cannot provide adequate understanding and when more information is needed for risk management. This technique provides a means to evaluate acute hazards and alternative risk reduction strategies, and identify areas for cost-effective risk reduction. There are no simple answers when complex issues are concerned, but CPQRA2 offers a cogent, well-illustrated guide to applying these risk-analysis techniques, particularly to risk control studies.

Special Details: Includes CD-ROM with example problems worked using Excel and Quattro Pro. For use with Windows 95, 98, and NT.

ABOUT THE AUTHOR

The **CENTER FOR CHEMICAL PROCESS SAFETY (CCPS)**, an industry technology alliance of the American Institute of Chemical Engineers (AIChE), has been a world leader in developing and disseminating information on process safety management

and technology since 1985. CCPS has published over 80 books in its process safety guidelines and process safety concepts series. For more information, visit www.ccpsonline.org.

To purchase this product, please visit <https://www.wiley.com/en-us/9780470935415>