Human Factors Methods for Improving Performance in the Process Industries

Description: The proper application of human factors is a valuable investment in overall process safety.

This book provides guidance for managers and plant engineering staff on specific, practical techniques and tools for addressing forty different human factors issues impacting process safety. Human factors incidents can result in injury and death, damage to the environment, fines, and business losses due to ruined batches, off-spec products, unplanned shutdowns, and other adverse effects. Prevention of these incidents increases productivity and profits.

Complete with examples, case histories, techniques, and implementation methodologies, Human Factors Methods for Improving Performance in the Process Industries helps managers and engineering staff design and execute an efficient program. Organized for topical reference, the book includes:

- An overview on implementing a human factors program at the corporate level or the plant level, covering the business value, developing a program to meet specific needs, improving existing systems, roles and responsibilities, measures of performance, and more
- Summaries of forty different human factors relating to process safety, with a description of the tools, a practical example with graphics and visual aids, and additional resources
- Information on addressing the OSHA Process Safety Management (PSM) requirement for conducting human factors reviews in process hazard analyses (PHAs)
- A CD-ROM with a color version of the book

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