Contractor and Client Relations to Assure Process Safety

A CCPS CONCEPT BOOK

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CENTER FOR CHEMICAL PROCESS SAFETY
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Contractor and Client Relations
to Assure Process Safety
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Inherently Safer Chemical Processes: A Life Cycle Approach
Contractor and Client Relations to Assure Process Safety
Guidelines for Use of Vapor Cloud Dispersion Models, Second Edition
Guidelines for Evaluating Process Plant Buildings for External Explosions and Fires
Guidelines for Writing Effective Operating and Maintenance procedures
Guidelines for Chemical Transportation Risk Analysis
Guidelines for Safe Storage and Handling of Reactive Materials
Guidelines for Technical Planning for On-Site Emergencies
Guidelines for Process Safety Documentation
Guidelines for Safe Process Operations and Maintenance
Guidelines for Process Safety Fundamentals in General Plant Operations
Guidelines for Chemical Reactivity Evaluation and Application to Process Design
Tools for Making Acute Risk Decisions with Chemical Process Safety Applications
Guidelines for Preventing Human Error in Process Safety
Guidelines for Evaluating the Characteristics of Vapor Cloud Explosions, Flash Fires, and BLEVEs
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Guidelines for Safe Automation of Chemical Processes
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Understanding Atmospheric Dispersion of Accidental Releases
Expert Systems in Process Safety
Concentration Fluctuations and Averaging Time in Vapor Clouds
Safety, Health, and Loss Prevention in Chemical Processes: Problems for Undergraduate Engineering Curricula
CCPS/AIChe Directory of Chemical Process Safety Services
Contractor and Client Relations to Assure Process Safety

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The Center for Chemical Process Safety (CCPS) was established in 1985 by the American Institute of Chemical Engineers (AIChE) for the express purpose of assisting the Chemical and Hydrocarbon Processing Industries in avoiding or mitigating catastrophic chemical accidents. To achieve this goal, CCPS has focused its work on four areas:

- establishing and publishing the latest scientific and engineering practices (not standards) for prevention and mitigation of incidents involving toxic and/or reactive materials;
- encouraging the use of such information by dissemination through publications, seminars, symposia and continuing education programs for engineers;
- advancing the state-of-the-art in engineering practices and technical management through research in prevention and mitigation of catastrophic events; and
- developing and encouraging the use of undergraduate education curricula which will improve the safety knowledge and consciousness of engineers.

The current book, *Contractor and Client Relations to Assure Process Safety*, is intended to identify issues between the Contractor and his Client which should be addressed; particularly those which may affect process safety. These issues may arise at any stage during the life of a process facility. This book is concerned with resolving those