



## Incidents That Define Process Safety

By CCPS (Center for Chemical Process Safety)

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*Incidents That Define Process Safety* describes approximately fifty incidents that have had a significant impact on the chemical and refining industries' approaches to modern process safety. Events are described in detail so readers get a fundamental understanding of the root causes, the consequences, the lessons learned, and actions that can prevent a recurrence. There are exhaustive investigative reports about these events, allowing you to apply the resulting safety principles to their current operations.

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### Editorial Review

#### Review

"This book is an excellent contribution to the safety literature. It is thorough, wide ranging and well written. It should be read by all engineers in the process engineers, not just the safety experts." (*Journal of Hazardous Materials*, May 2008)

#### From the Back Cover

#### **Apply lessons learned from major process and transportation incidents to improve process safety**

This book describes approximately fifty incidents that have had a significant impact on the chemical and refining industries' approaches to modern process safety. Events are described in detail so readers get a fundamental understanding of the root causes, the consequences, the lessons learned, and actions that can prevent a recurrence. There are exhaustive investigative reports about these events; the goal of this reference is to consolidate and archive concise information on representative incidents that are relevant today so readers can apply the resulting safety principles to their current operations. *Incidents That Define Process Safety*:

- Is very easy to read and hard to put down
- Includes descriptions of U.S. incidents, such as the Exxon Valdez oil spill; the HF release at Marathon Oil Refinery in Texas City in October 1987; the explosion in an isomerization unit at BP's Texas City Refinery in March 2005; and more
- Covers incidents worldwide, including the Piper Alpha Oil Platform disaster in 1988, the collapse of a furnace stack and multiple fires at the Tupras oil refinery in Turkey after an earthquake, the Bhopal disaster, and more
- Incorporates events from other industries that have implications for the chemical industry, such as the NASA Challenger Disaster, Chernobyl, and more
- Includes photographs of the incident consequences and references for additional study

Presented to raise process safety awareness, to help readers learn from previous incidents, and to supplement established initiatives and materials, this book is a valuable reference for engineers and technicians involved in the design and operation of chemical and petroleum processing facilities, as well as managers and decision makers in these industries. It is also an enlightening supplement to many chemical engineering courses.

#### About the Author

**BP Process Safety Community of Practice** has published a series of more than fifteen booklets on process safety applied to the oil and gas industry under the coordination of **Frederic Gil**, Process Safety & Fire Engineering Advisor for BP plc, in Sunbury, UK, and **John Atherton**, BP plc, retired.

Since 1985, the **Center for Chemical Process Safety (CCPS)** has been the world leader in developing and disseminating information on process safety management and technology. CCPS, an industry technology alliance of the American Institute of Chemical Engineers (AIChE), has published more than eighty books in its process safety guidelines and process safety concepts series.

## **Users Review**

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Have you spare time to get a day? What do you do when you have much more or little spare time? Yes, you can choose the suitable activity regarding spend your time. Any person spent their very own spare time to take a wander, shopping, or went to often the Mall. How about open or maybe read a book called Incidents That Define Process Safety? Maybe it is being best activity for you. You recognize beside you can spend your time with the favorite's book, you can more intelligent than before. Do you agree with it is opinion or you have some other opinion?

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