

The Macondo disaster analysis

The Gulf of Mexico oil spill in 2010 killed 11 workers and caused unprecedented environmental damage.

The U.S. Chemical Safety Board (CSB) consulted Professor Andrew Hopkins in preparing its investigation of the incident.

He previously assisted the CSB in its report on the BP Texas City incident.

Following two years of critical analysis of the Deepwater Horizon disaster, he wrote **Disastrous Decisions: The Human and Organisational Causes of the Gulf of Mexico Blowout**. This book has become a widely studied text world-wide. In these two DVD workshops Professor Hopkins analyses the human and organisational factors that contributed to this disaster and also identifies a series of critical defences that failed.

Other DVD workshops featuring Professor Hopkins include case studies of the BP Texas City and the Longford Gas explosions – as well as analyses of Mindful Leadership and Communication Skills.

Client Organisations include:

BAE Systems, BC Hydro, BP UK, Chevron, Conoco Phillips, Dow Corning Ltd, GASCO, Husky Energy, Orica, Petrobras Brazil, Petronas Malaysia, Rio Tinto Iron Ore, Shell, Spectra Energy, Suncor Energy, Talisman Energy, Woodside, Xstrata.



Falling Dominos of Macondo

A Failure of Defence in Depth

Professor Andrew Hopkins analyses the failure of the barriers that should have prevented the Macondo blowout in the Gulf of Mexico and considers how independent the barriers were. The barriers behaved like falling dominos, not just one or two had failed, it was system wide. Understanding the nature of these barriers permits a critical analysis of the system of defence in depth. Hopkins not only analyses why these failures contributed to multiple fatalities and devastating environmental disaster; he deconstructs the plans put in place in response to the blowout.

KEY LEARNING OUTCOMES

At the end of the workshop, participants will:

- Be aware that defence in depth can only work if the barriers operate independently of each other
- Understand what one must consider when developing response plans in the event of a blowout
- Be aware that the organisational structure is what formed a basis for the choices made leading up to the Macondo Blowout
- Be mindful of how a focus on commercial risk may contribute to failure of barriers

PACKAGE CONTENTS

- 26 minute DVD featuring Professor Hopkins
- CD with supporting material



Macondo Blowout

The Human and Organisational Causes

Professor Andrew Hopkins focuses in this program, on the human and organisational causes of the Macondo blowout. He analyses the organisational factors that contributed to poor engineering decisions made with all the judgements centred on commercial risk. Little consideration for major hazard risk was given. Why was there no focus on major hazard risk? The distinction between process safety and personal safety that Hopkins makes, answers this question. It is important to understand the human and organisational causes discussed in this program so as to prevent such accidents from occurring.

KEY LEARNING OUTCOMES

At the end of the workshop, participants will:

- Understand how organisational structure may contribute to poor engineering decision making
- Be aware of major hazard risk indicators
- Be aware that preoccupation with profit before safety comes at a cost
- Learn from other incidents
- Understand defence in depth
- Be aware of the multi-causal nature of accidents

PACKAGE CONTENTS

- 40 minute DVD featuring Professor Hopkins
- CD with supporting material



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2 Part training package price: AU\$1,950.00

AVAILABLE FORMATS

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