

Preventing Macondo II: Recommendations for Regulatory Changes

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Responses to Macondo



- President's Commission
- Internal BP
- National Academy of Engineering
- Blowout Report (BOEMRE)
- U.S. Coast Guard/BOEMRE
- U.S. Chemical Safety Hazard Investigation Board
- Department of Justice

Elements of Safety Case

- Detailed description of the facility
- What could go wrong? What resources would be impacted? What is the potential impact on human life?
- What systems are in place to prevent, and respond, to potential worst case disaster?
- Evaluation by regulator: does the plan reduce risk to the lowest level reasonably practicable?

History of Safety Case

- Seveso, Italy (1976)
- Piper Alpha, Scotland (1988)
- Alexander Kielland, Norway (1980)



Advantages of Safety Case

- Encourages full assessment of risk
- Goal-oriented, encourages continuous improvement
- Forces top-to-bottom assessment of all potential risks