



“Assessing the Tools, Processes, and Value of Sharing & Learning from Offshore E&P Safety-Related Data”

Summit Highlights – 5/6 April 2016

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Background

- U.S. Department of the Interior's Bureau of Safety & Environmental Enforcement (BSEE) approached SPE in 2014 regarding potential collaboration on developing industry-wide near miss framework to enhance industry's ability to capture and share key learnings from significant near miss events, with objective of identifying and mitigation potential high consequence risks
- Proposed outcome would be SPE summit to address opportunities and challenges associated with collaborative near miss reporting framework, including role of SPE in facilitating this process
- Work group formed to explore benefits/mechanism for collaboration, including representatives from SPE, BSEE, BTS, COS, and OESI

Cross Section of Industry Representation

American Bureau of Shipping
American Petroleum Institute
Anadarko Petroleum
Arena Offshore
Ascend Coaching
Baker Hughes
BHP Billiton
BP
Cameron
Canada – Nova Scotia Offshore Petroleum Board
Canada-Newfoundland and Labrador Offshore Petroleum Board
Center for Offshore Safety
Chevron
Contek Solutions
Deloitte Consulting, LLP
DNV-GL
Environmental Risk Management
ExxonMobil
Federal Aviation Administration
Frontline Group
FMC Technologies
GE Oil & Gas
Hess

62 participants from
47 organizations!

International Association of Drilling Contractors
International Marine Contractors
International Oil & Gas Producers Association
International Regulators Forum
Lamar University
Lloyd's Registry
National Aeronautics & Space Administration
National Air Traffic Controllers Association
National Oilwell Varco
Ocean Energy Safety Institute
Offshore Operators Committee
Research Partnership to Secure Energy for America
Rowan Companies
Schlumberger
Shell
Society of Petroleum Engineers
Statoil
Systems Improvement
Texas A&M Mary Kay O'Connor Process Safety Center
Total
U.S. Bureau of Transportation Statistics
U.S. Bureau of Safety & Environmental Enforcement
U.S. Chemical Safety Board
U.S. Coast Guard

Summit Objectives

- Establish pathway to address opportunities and challenges of industry-wide safety data management processes
- Identify how BSEE and SPE can collaborate to add value to existing and future processes
- Leverage strategic processes (new and existing) to address opportunities and gaps focused on collection, analysis, and dissemination of data
- Encourage and facilitate continuous feedback and learning in support of ongoing safety management systems and programs
- Consider how existing processes can be leveraged with an overarching objective to extend influence beyond the U.S. OCS, and align with other systems and requirements globally

Challenges & Boundaries

- Clarify specific problem that Summit seeks to address, including where the gaps are and how best to fill them
- Ensure confidence among participants that there is a safe reporting environment, as well as provide similar assurances during Summit to promote more open discussion
- Summit should determine current barriers for providing information
- Summit should also address breadth of safety metrics, and what is truly critical for good risk-based management decision-making
- Address voluntary participation, confidentiality, need for protection from legal discovery, protection of source data, and laws and government regulation
- Once developed, principles related to safety data collection, analysis, and dissemination for offshore should be easily transferrable to onshore activities and international activities

Next Steps

- Technical report – *estimated October 1 release date*
- Pilot implementation program – *details being discussed; need company volunteers*
- SPE and/or OESI technical workshops on specific topics
 - ✓ Barriers – *OESI workshop planned 18 May 2016*
 - ✓ “Mining the Diamond” – *potential SPE workshop under consideration*
 - ✓ Data review/analysis workshops – *annual workshop under consideration*
 - ✓ Precursor analysis
 - ✓ Causal factors
 - ✓ Others?
- SPE Technical Sections for ongoing networking
 - ✓ SPE Connect; Human Factors Technical Sections; new Technical Section?
- HSE Now

Questions?



Supplemental Slides

Overview of SPE-Related Initiatives



Objectives:

- Evaluate prospective opportunities and gaps related to availability, sharing, and analysis of near miss safety and safety management data
- Identify potential collaboration opportunities between SPE and BSEE on path forward, with initial focus on offshore Gulf of Mexico
- Network with impacted stakeholders (industry & regulator) on current practices, existing internal processes, and industry data collection and management frameworks
- Leverage learnings from proposed SPE/BSSS Near Miss summit and form work teams to address various external initiatives (e.g., training, communication, events, collaboration, networking)

Objectives:

- Establish pathway to address opportunities & challenges of industry-wide safety & safety management reporting
- Identify how BSEE & SPE can collaborate to add value to existing and future processes
- Leverage strategic processes (new & existing) to address opportunities and gaps focused on the collection, analysis, and dissemination of data

Objectives:

- Adopt process safety definition for sharing with SPE membership (done)
- Identify potential collaboration opportunities between SPE and other professional societies and industry organization
- Evaluate prospective opportunities and gaps related to process safety processes and programs across all industry sectors (e.g., PSM applicability)
- Network with impacted stakeholders (industry & regulator) on current practices, existing internal processes
- Develop forward plan with proposed work teams to address process safety sub-topics and targeted events (e.g., SPE International and Regional HSE conferences)

