NOPSEMA Update & DP as a Major Accident Event control

MarineSafe Forum
19th March 2014
Chris Bourne – OHS Inspector
Agenda

- Introduction & NOPSEMA Overview
- NOPSEMA activities in 2013 & 2014
- DP as a Major Accident Event control
- NOPSEMA contacts
Independent statutory authority

- State/NT Ministers for Resources
- Commonwealth Minister for Industry
- NOPSEMA Advisory Board Chair
- NOPSEMA
  - NOPSEMA CEO
- Department of Industry Secretary
- National Offshore Petroleum Titles Administrator (NOPTA)

reporting where powers conferred

Schedule 3 – OHS law

Safety Regulations

Wells Regulations

Environment Regulations

Commonwealth Attorney-General’s website: comlaw.gov.au
NOPSEMA activities in 2013 & 2014
2013 Synopsis

- **Regulatory functions**
  - Consolidation & integration of environmental functions
- **Hosting of IRF conference & annual meeting in Perth**
- Australian National Audit Office audit of NOPSEMA
- **Tripartite Forum** – Industry/Unions/Regulator
Legislative changes

- Environment Regulations amended & associated EPBC ‘streamlined’ arrangements – 28 Feb 2014
- Wells Regulations review – public consultation underway – closes 28 March 2014
- Financial assurance regulation - joint working group – “Polluter Pays”
- Compliance Measures Bill: Administrative amendments to the Act including increase in existing penalties and enabling a ‘civil penalty’ regime
• **Inspections**
  – Vessels inspected on an opportunistic basis
  – Continue focused topic inspection program

• **Enforcement**
  – Regulatory intervention and enforcement as appropriate and necessary reflecting the post Macondo / Montara environment
DP as an MAE Control
• **Major Accident Event – MAE**

An event connected with a facility having the potential to cause multiple fatalities at or near the facility

• **Performance standard**

The standard, established by the operator, of the performance of a system, equipment, person or procedure required to manage the risk of an MAE
• NOPSEMA regulation is (generally) not prescriptive
• Detailed risk-management plan (Safety Case) assessed by NOPSEMA
• FSA - systematic identification of MAEs and implementation of the appropriate controls
• Risks managed to a level that is ALARP
Regulatory context

• **Example facilities**
  
  Dive Support Vessels
  Accommodation Vessels
  DP Drillships
  Construction & Pipelay Vessels

• NOPSEMA verifies Safety Case compliance by planned inspections
• DP system and operations may be inspected as a control against an MAE that is the focus of the inspection

• Effective, closed-loop planned maintenance system:  
  *SMART performance standards for the DP system*
  *Planned maintenance system to assure that this performance is functional, available & reliable*
  *Audit processes to provide assurance that PM is working*

• DPO competence to respond to emergencies
• DP maintainer competence - facility-specific understanding of the DP system
The interface

Formal Safety Assessment
Establish MAE Control Measures

Performance Standards

Ongoing Operations & Risk Management
Sustain Integrity of MAE Control Measures
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