NOPSEMA Update

7 March 2013

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Manager – Assessment & Inspection
• Regulatory Activity 2012

• Facility Inspection Topics & Issues

• NOPSEMA 2013 Look Ahead
NOPSEMA Jurisdiction

NOPSEMA

Relevant State/NT Minister or NOPSEMA where powers conferred
Regulatory Activity 2012
Facilities in 2012

<table>
<thead>
<tr>
<th>Facility Group</th>
<th>Industry TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Platforms</td>
<td>32</td>
</tr>
<tr>
<td>FPSOs</td>
<td>10</td>
</tr>
<tr>
<td>MODUs</td>
<td>12</td>
</tr>
<tr>
<td>Vessels</td>
<td>11</td>
</tr>
<tr>
<td>Pipelines</td>
<td>89</td>
</tr>
<tr>
<td>TOTAL</td>
<td>154 *</td>
</tr>
</tbody>
</table>

Based on data at end 2012.

* Numbers fluctuate slightly as facilities enter and leave the regime e.g. mobile facilities and inactive facilities
## Industry Activity

### 2012 (OHS and WI)

<table>
<thead>
<tr>
<th>Activity</th>
<th>Industry TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regulatory assessments*</td>
<td>527</td>
</tr>
<tr>
<td>Regulatory inspections*</td>
<td>156</td>
</tr>
<tr>
<td>Incidents notified</td>
<td>402</td>
</tr>
<tr>
<td>Complaints notified</td>
<td>12</td>
</tr>
<tr>
<td>Enforcement actions issued</td>
<td>72</td>
</tr>
</tbody>
</table>

* includes facilities and wells, excludes EM activities,
Incident Rates

OHS Dangerous Occurrences and Accidents = per million hours
EM Reportable Incidents = per 100 activities

Dangerous occurrences
Reportable EM incidents
Accidents
## 2012 Incidents

<table>
<thead>
<tr>
<th>Incident Category</th>
<th>Industry Total</th>
<th>MODUs Total</th>
<th>MODUs %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Death or Serious Injury</td>
<td>6</td>
<td>2</td>
<td>33%</td>
</tr>
<tr>
<td>Incapacitation &gt;= 3 days LTI</td>
<td>14</td>
<td>1</td>
<td>7%</td>
</tr>
<tr>
<td>Could have caused Death or Serious Injury</td>
<td>29</td>
<td>13</td>
<td>45%</td>
</tr>
<tr>
<td>Could have caused incapacitation &gt;= 3 days LTI</td>
<td>32</td>
<td>12</td>
<td>38%</td>
</tr>
<tr>
<td>Fire or Explosion</td>
<td>9</td>
<td>7</td>
<td>78%</td>
</tr>
<tr>
<td>Pipeline – Significant damage</td>
<td>1</td>
<td>1</td>
<td>100%</td>
</tr>
<tr>
<td>Complaints</td>
<td>13</td>
<td>6</td>
<td>46%</td>
</tr>
</tbody>
</table>
Inspections
• 19 MODU Inspections
  – Maintenance Management
  – Emergency preparedness/medevac
  – Loss of containment/well control
  – Helicopter MAE
• Maintenance Management
• Vessel & Aircraft Control
  – Helicopter operations
• Emergency preparedness
  – Emergency power generation
• Control of Ignition Sources
  – EEHA

Performance standards to be examined as an integral part of each focus area.
Vessel and Aircraft Control

- Helicopter Operations
  - Lack of Helicopter refueling procedures and training
  - Poorly maintained AFFF systems
  - Lack of helicopter operations policy
  - Absence of Operator audit of helicopter operations and helicopter refueling
Emergency preparedness

- Emergency power generation

The main and consistent finding is that the Performance Standards are found to be deficient
Control of Ignition Sources EEHA

The main and consistent findings are:

– Extensive EEHA non-compliance of rig and Third Party Ex equipment due to incorrect installation, modification or decommissioning
– Poorly defined and maintained hazardous areas
– No verification of compliance of Ex equipment to a performance standard
Number of Enforcement Actions 2012

- MODUs: 27
- Pipelines: 22
- FPSOs: 13
- Other: 12
- Platforms: 9
- Vessels: 1
Assessments

– WOMPs 19
– AAUWAs 84 (Applications for approval)

Issue – Level of detail in WOMP vs AAUWA

Inspection focus (Macondo / Montara driven)

– Primary Cementation
– Communication
– Management of Change

Issue – Abandonment & Barrier Verification
• Legislative changes
  – Wells and Environment Regulations under review by RET Amendments anticipated by end 2013
  – Compliance Measures Bill: Administrative amendments to the Act including increase in existing penalties and enabling of a graduated and extended ‘civil penalty’ regime.
• Continue focused topic inspection programme
• API Standard 53 vs RP 53
• ‘Regulator’ – Bi-monthly e-publication
• Annual Report (May 2013)
• Guidance Notes and Guidelines
  – OHS
  – Environment
• Safety Alerts
• Information Papers – Human Factors
QUESTIONS?