

**From:** Shaw, Neil  
**Sent:** Wed Apr 08 12:20:08 2009  
**To:** Erwin, Laurie  
**Subject:** FW: GoM Process Safety Improvement Plan for 2009  
**Importance:** Normal  
**Attachments:** PS PIP 2009 (5).doc; Process Safety Incident 2008 analysis.ppt

Pls include in pifest back up pack

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**From:** Skelton, Cindi K  
**Sent:** Friday, April 03, 2009 9:03 AM  
**To:** Shaw, Neil  
**Cc:** Morrison, Richard; Ruehle, Steven A; Erwin, Laurie; Jackson, Curtis W (HSSE); Kenneley, Kevin J  
**Subject:** GoM Process Safety Improvement Plan for 2009

Neil,

I had an action to develop a Process Safety Improvement Plan for GoM for 2009. Steve and I jointly worked this and networked the plan with Simon, Dan, Richard, Kevin and many others. In addition, it was included in the Process Safety section of the Ops conference. It is attached below for your review/comments. The first page is the simplified view and the second page gives a little more detail on each of the actions for the same key actions. I think the three key themes of Hazard Awareness, Risk Prioritization, and Learning are simple, easy focus points you can use in a town hall or meetings with staff, or to describe our plan to Andy and others.

I have also included a good analysis (high level) of the incidents from 2008 to help us focus efforts for 2009 for reduction of incidents. We will focus and prioritize based on risk and use CI with front line to find solutions to reduce. One of the key components with this is also the awareness of weak signals before they turn into incidents and this is one of our OMS Gaps. Good progress there and was one of the big topics at the conference with great ideas from operators on this.

Curtis and I are starting on first pass agenda for next HSSE QPR late April and if you see any areas in this material you would like to discuss, please let me know. We are meeting on Orange Book input next Tuesday and could discuss then.

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*Cindi Skelton*

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## Process Safety Performance Improvement Plan - 2009 GOM

**Output:** Continuously reduce the number of process safety incidents from 129 in 2008. Focus on achieving a reduction of G+ severity incidents from 19 in 2008.

### Inputs:

#### Major Hazard Awareness

- Increase work-force awareness of process safety hazards. (SPU OMS gap)
- Simplify, standardize and improve identification and reporting of process safety incidents
- OE1 and process safety awareness training for key offshore and Houston based leaders

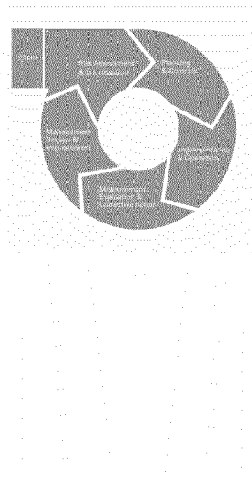
#### Risk Prioritization and Mitigation

- Update asset risk registers and ensure follow through of red risk mitigation plans. Begin development of yellow risk mitigation plans.
- Simplify and standardize risk assessment processes (SPU OMS gap)

#### Learning (Continuous Improvement)

- Use the process safety scorecard data and management reviews to drive performance improvement in process safety
- Improve root cause analysis, action development, and transfer of lessons learned from process safety incidents

DRAFT



## Process Safety Performance Improvement Plan - 2009 GOM

**Output:** Continuously reduce the number of process safety incidents from 129 in 2008. Focus on achieving a reduction of G+ severity incidents from 19 in 2008.

### Inputs:

#### Major Hazard Awareness

- Increase work-force awareness of process safety hazards. (SPU OMS gap)
  - Collect historical data and interview offshore personnel (Atlantis/Holstein) to understand their current ability to identify hazards. (Gap closure team by 31 March)
  - Identify root causes and develop action plan to address them. (Gap closure team by 15 May).
- Simplify, standardize and improve identification and reporting of process safety incidents
  - Deliver incident type and severity classification training to offshore and select onshore personnel. Develop simple one-pager to assist correct classification
- OE1 and process safety awareness training for key offshore and Houston based leaders

#### Risk Prioritization and Mitigation

- Update asset risk registers and ensure follow through of red risk mitigation plans. Begin development of yellow risk mitigation plans.
  - Update each asset major hazard risk register. (Eng Mgr by 30 April)
  - Develop/update risk mitigation plans for each risk in the red portion of the matrix and review/approve per the SPU Major Hazard Risk Management Policy (Asset Mgr by 30 June).
  - Include risk mitigation plan resource in 2010 Long Term Plan
- Simplify and standardize risk assessment processes (SPU OMS gap)

#### Learning (Continuous Improvement)

- Use the process safety scorecard data and management reviews to drive performance improvement in process safety
  - Monthly update and distribution of the process safety scorecard
  - Quarterly review at the HSSE Management Committee
- Improve root cause analysis, action development, and transfer of lessons learned from process safety incidents
  - Analyze 2008 and 2009 data to identify opportunities for improvement of root cause identification. Develop improvement recommendations and communicate to assets for implementation.
  - Develop and distribute lessons learned for "G" and higher severity process safety incidents; include robust lessons and associated actions.
  - Improve lessons learned processes to provide greater assurance that recommended actions are taken. Include engineering, HSSE, SPU Process Safety Community of Practice, etc

