

MAINTENANCE COMMITTEE MEETING MINUTES



Location: ROWAN Companies

Date: 14 April 2010

Call to Order / Introductions:

The Chairman, Mr. Ken Gardner, recognized ROWAN Companies for hosting the meeting and welcomed all members and thanked them for their attendance. A building security and safety briefing was given by Mike Moore (ROWAN). A short personal introduction was then given by each attendee followed by a review of the agenda by the Chairman.

IADC Antitrust Policy and Guidelines and committee Mission Statement:

John Pertgen reviewed the Policy and Guidelines and the Chairman reviewed and discussed the Mission Statement with the attendees.

Review of action items: There were no outstanding action items.

Regulatory Review:

John Pertgen provided a brief overview of the following issues being tracked by IADC:

Carbon Dioxide Fire Suppression Systems- USCG proposed rule on a lockout valve and wintergreen olfactory additive to fixed systems.

Aids to Navigation- USCG will cease transmitting Loran-C signals on 1 October 2010

Pollution regulations- USCG is to align pollution regulations with MARPOL, which means possible additional equipment, future ship design changes, and revision of current operating procedures.

STCW rulemaking- USCG placed a hold on the proposed rulemaking due to extensive comments received and will follow up by issuing a Supplemental rulemaking.

Greenhouse gases- EPA is issuing a number of rulemakings that propose reporting requirements for many sectors of the economy (including petroleum and gas systems, CO2 injection and sequestration)

NPDES- EPA has issued a final NPDES General Permit with regards to the Eastern Gulf of Mexico

Entry to enclosed spaces- IMO has a correspondence group working on draft amendments to the current IMO resolution on this issue. (This topic is being discussed by many groups at IMO)

Adopted IMO resolutions- Two recent resolutions adopted were: 2009 MODU Code and *Guidelines for Ships Operating in Polar Waters*.

STCW- IMO has a revised version of the Standards of Training, Certification and Watchkeeping Convention and Code (STCW 2009), which will most likely be adopted at the Conference of Countries in June 2010.

Minimum Safe Manning- IMO will review for adoption a revised resolution and accompanying SOLAS regulation modification on minimum safe manning

Invasive Species- IMO has a working group developing draft guidelines and an MEPC resolution on *International Measures to Minimize Transferring Invasive Species via Bio-fouling of Ships*.

Selective Catalytic Reduction (SCR)- IMO is preparing guidelines on after treatment devices.

Lifeboats- IMO is leaning towards making MSC Circ 1206 Rev 1 (Lifeboat accident prevention) mandatory. They are also drafting guidelines for the evaluation and replacement of on-load release mechanisms.

Noise levels- IMO is revising the IMO resolution A.468 (XXII) *Code on Noise Levels on board Ships*.

The Chairman stressed the fact that whenever regulatory changes are proposed, our industry must recognize their importance and provide feedback before they become final. If we don't start "pushing back" on this overabundance of requirements, we will only be hurting ourselves further. As the requirement is placed upon us to maximize our uptime, the drilling contractor's ability to drive equipment

reliability initiatives through their respective organizations becomes very difficult to meet the ever increasing regulatory requirements.

The Chairman then reviewed a recent Safety Alert from the National Offshore Petroleum Safety Authority (NOPSA) regarding a man-riding accident due to a carabiner failure. The alert stated that one of the things that went wrong was that the planned maintenance system did not identify the carabiner as an inspection item.

A rather lengthy discussion was undertaken by the group and it was indicated by several members that the manufacturers are putting out so many bulletins without getting to the true root cause of the equipment failure, that it is becoming time consuming for the drilling contractors to re-evaluate and address the specific maintenance requirements as laid out within the bulletin. In many instances this causes a delay in actually releasing bulletins to the field until clarification is sought from the equipment manufacturer.

Main Presentation:

Intelligent Vessels & Platforms- Case Study for Maintenance of Drill Rigs was presented by APO Offshore -The power generation case study key point stressed the importance of an Integrated Maintenance Management Program.

Lunch & Learn:

SFI as a Coding Standard was presented by SpecTec (Robert Kessler)
[SpecTec requested a joint venture with industry to update the SFI code for the drilling industry.]

Drilling Contractors Portion: (key areas of interest listed)

-One of the issues of concern was the amount of:”dropped objects” our industry is going through. The concern raised was that as individual contractors we are communicating to the vendors, but our vendors do not appear to understand the urgency to address these issues. We felt that, as drilling contractors, we should probably collaborate through a cross industry study group so we can specifically address what we feel are manufacturer design standards. One real area for concern is the two part retention for equipment working at heights. This was seen as a very positive step for industry previously; however, we appear to have been inconsistent at applying these standards especially during the new build cycle phase the industry is going through.

-Many members shared their views on data management. As technology becomes part of our everyday business we need to adapt to meet the new challenges. In most cases companies see this as an IT (Information Technology) or business function. It was felt by the group that strategies to address the interface between the groups would be seen as a positive step. We need to educate ourselves in the importance of data management and ensure our personnel are trained to meet the challenge. It was noted that HSE in the UK had previously put together a document on a similar issue.

-A general discussion took place on industry maintenance standards especially with regards to new employees coming into the industry. Although individual contractors have their OJT for new rig hands, it was felt that this was only one solution. However, in order to make the step change required, it was felt that a more holistic approach to address the issue may be needed. The Chairman agreed to approach the training committee with suggestions from the maintenance committee and perhaps a combined group project to help address this issue.

Next meeting: 15 July 2010 at Transocean

Adjourned – 13:25 hrs.

Attendance:

Name		Company Name
Scott	Thetford	AGR Field Operations
Carol	Piovesan	APO Offshore
Silje	Holstal	APO Offshore
Roger	Hansen	APO Offshore
Bob	Gonzalez	Caterpillar Inc.
Ivan	Cook	Dynalco
Dan	Mrotz	Flow Products International
Eddie	Clark	Hess Corporation
John	Pertgen	IADC
Corey	Hall	Pacific Drilling
Charles	Nielsen	Pride International
Ronald	Sralla	Rowan Companies
Bill	Darby	Rowan Companies
Garry E.	Davis	Seadrill Americas
Joe	DiGregorio	Seadrill Americas
Micaela	Rebizzi	SpecTec
Bob	Kessler	SpecTec
Robert	Glover	SpecTec
Ken	Gardner	Transocean
Geoff	Evans	Transocean