



IADC HSE ENVIRONMENTAL SUB-COMMITTEE MEETING

17 April 2013

Host: IADC

Agenda Item #1: Welcome, Introductions & Building Information

The IADC HSE Environmental Sub-Committee was called to order by Sub-Committee chair, Jennifer May Guidry. Jennifer welcomed everyone and thanked them for attending. Joe Hurt, IADC, provided attendees with building and emergency response information. Ms. Guidry then asked everyone to introduce themselves, see the attached attendance sheet.

Joe Hurt, IADC, reviewed the IADC Anti-trust Policy & Guidelines, calling attention to prohibited discussion topics. For a copy of the IADC Anti-trust Policy & Guidelines refer to <http://iadc.org/antitrust/>.

Agenda Item #2: Environmental Regulatory Briefing

Joe Hurt, IADC, informed the group he had contacted a Region VI Representative to discuss the NOI, E-NOI issues via WebEx connection. The EPA representative informed him that they are not able to respond on a number of issues until they receive an official decision from Washington.

Jennifer May Guidry, Hercules Drilling, updated the group about the meeting between Stone Energy and the EPA regarding new lifetboat permit issues. It was decided that Stone Energy will assemble an information packet for the EPA to read and take to Washington so that they are better able to make an educated decision regarding regulations.

John Pertgen, IADC, provided the Committee with information on two IADC-published semi-annual reports:

- International Standards Activities affecting the Offshore Oil and Gas Industries
 - This report provides a handy reference to the standards development activities of various organizations (e.g., the International Maritime Organization, International Labor Organization, the International Organization for Standardization, and various international trade associations).
- Federal Regulatory Actions Impacting the Offshore Industry
 - This report provides a reference summary that reflects the regulatory actions, announced in the Federal register by U.S. governmental agencies, which may affect operations in the oil and gas industries.

Note: Both reports are available at [IADC Offshore Regulatory Reports](#). Similar Onshore reports are available at [IADC Onshore Regulatory Reports](#).

Additionally Mr. Pertgen provided a brief overview of the following key issues that have been modified since our last committee meeting:

- MARPOL Annex 5
 - Prohibits discharge of vessels unless authorized
- Clean Air Act
 - Follow best management practices for now
- Vessel General Permit
 - Was 26, but is now 27

- IADC will be forming a group to update Vessel General Permit Guidelines detailing what is required and what IADC recommends to meet these requirements

Agenda Item #3: General Discussion of Environmental Issues and Best Practices

Tina Lapene, Rowan Companies, informed the group that she is a committee member of the GMG 29000 Mud and Produced Water Characterization Study. The EPA is re-evaluating discharge requirements and has created this group to design a study to collect samples. A consulting company has recently been brought on board to help with the research.

Joe Hurt, IADC, informed the group that IADC has sent a letter to the Illinois legislature raising issues of concern regarding the proposed amendment to H. B. 2615, House Amendment No. 3 that would require a union licensed water well driller on each drilling crew.

Members discussed the Center for Sustainable Shale Development which offers accreditation based on a 15 point check. More information can be found at [Center for Sustainable Shale web page](#). The 15 requirements can be found [Performance Standards -3-27-GPX.pdf](#) .

Members discussed issues they are having with the new Fuel Sulfur Standards. Companies are now writing the requirements into their contracts.

Tina Lapene, Rowan Companies, discussed a Society of Naval Architects and Marine Engineers (SNAME) paper: [Guide for Marine Bilge Systems Troubleshooting Diagnostics](#) click here for the [link](#) to the SNAME site.

Agenda Item #4: Environmental Score Card – Richard Haut, Houston Advances Research Center

Rich Haut, Houston Advances Research Center, made a presentation on the (EFD) Program. This is a research program focused on creating environmentally friendly equipment and increasing education. For more information about the EFD visit www.efdsystems.org, www.efdvirtuallsite.org, www.facebook.com/EFDSystems.

The EFD will be holding a workshop on 14 May 2013 in San Antonio, TX. If interested, please visit their website. Please [click here](#) for the presentation.

Agenda Item #5: Equipment Environmental Rating

Representatives from National Oilwell Varco (NOV), Trey Mebane, David Justiniano, and Jake Flittner, gave a presentation on the Environmental Performance Metric score card their company is creating. The purpose of the score card is to help standardize manufactures requirements, improve environmental performance, and allow the public to have a better understanding of safety precautions taken in the drilling industry. The score card is based on manufacturing process and operation length.

More information regarding the score card can be found by [clicking here](#).

Currently, manufactures are deciding what to measure and how points are to be defined and are seeking input from drilling contractors on the following points:

- What are companies' policies regarding equipment training?
- Are companies wanting to "go green" with equipment? Will this make its way into bid specs?

- How long will companies keep paying to have a piece of equipment fixed before purchasing a new one?
- What do drillers actually want to measure? Will it benefit someone? What are the implications?

Some recommendations the meeting attendees made were:

- Make the equipment fool proof. The less employees have the handle equipment, the less chance of an accident
- Are the metrics consistent with all vendors?
- How does this point system reflect that your company is meeting standards?
- Is this based on looking at the entire rig? Prioritize by criticality?
- May want to discuss with the Maintenance Committee

Committee members were asked to send suggestions on what is important to measure to regarding equipment ratings to Joe Hurt at joe.hurt@iadc.org.

Agenda Item #6: Workshop on Environmental KPIs Contractors are currently using – Chris Doremus, Diamond Drilling

Chris Doremus, Diamond Drilling, shared with the group the list of Environmental KPIs that the industry would like to measure. To view, please [click here](#).

It was motioned and passed to create two task groups of drilling contractors only to continue working on the Environmental KPIs.

- Onshore
 - Chair – Christian Lavalley, Precision
 - Micah Backlund, Helmerich & Payne
- Offshore
 - Chair – Chris Doremus, Diamond Offshore
 - Travis Warden, Diamond Offshore
 - Douglas Robertson, Transocean
 - Tina Lapene, Rowan Companies
 - Jennifer May Guidry, Hercules Offshore
 - Maersk, Eskild, Sorensen
 - Pacific Drilling, Liang Yu
 - David Lewis, Ensco
 - John Jameson, Well Ops-US (A Helix ESG Co)

The purpose of the task group will be to select the Environmental KPIs to measure, define KPIs, how to measure and how to report.

If you would like to join either task group please contact Joe Hurt at joe.hurt@iadc.org.

Agenda Item #7: Meeting Close Out, Next Meeting Date and Agenda Items

The next meeting will be held on the morning of 24 July 2013 at IADC.

Members may submit suggested topics for the next meeting to Joe Hurt, IADC, joe.hurt@iadc.org.

Meeting adjourned at 11:30 a.m.

Attendance Sheet

Name		Company Name
Travis	Warden	Diamond Offshore
Chris	Doremus	Diamond Offshore
Scott	Bozych	Ensco plc
Matt	Callahan	Frank's Casing
Micah	Backlund	Helmerich & Payne
Jennifer	May Guidry	Hercules Offshore
Andra	Wilcox	Houston Advanced Research Center
Richard	Haut	Houston Advanced Research Center
Joe	Hurt	IADC
Leslie	Packard	IADC
Mike	Hunley	Lone Star College
Eskild	Sorensen	Maersk Drilling
Trey	Mebane	National Oilwell Varco
David	Justiniano	National Oilwell Varco
Jake	Flittner	National Oilwell Varco
Suzanne	Munro	NSL America
Liang	Yu	Pacific Drilling
Scott	Randall	Plus Alpha Risk Management Solutions
Christian	Lavallee	Precision Drilling
Tina	Lapene	Rowan Companies
Rob	Cummings	Schlumberger
Tige	Clawson	Waukesha-Pearce Industries (WPI) Inc
John	Jameson	Well Ops-US (A Helix ESG Co)