



IADC HSE ENVIRONMENTAL SUB-COMMITTEE MEETING

24 July 2013

Host: IADC

Agenda Item #1: Welcome, Introductions & Building Information

The IADC HSE Environmental Sub-Committee was called to order by Joe Hurt, IADC. Joe welcomed everyone and thanked them for attending. He then provided attendees with building and emergency response information. Mr. Hurt 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: General Discussion of Environmental Issues and Best Practices

At the previous meeting, 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. Mr. Haut asked for IADC to endorse the score cards. Joe Hurt, IADC, informed the group that IADC has decided it is not IADC's position to endorse EFD's score cards. For more information about the EFD visit www.efdsystems.org, www.efdvirtuallsite.org, www.facebook.com/EFDSystems.

Joe Hurt, IADC, updated the group of what was discussed at the API Standards Conference in June. He discussed API RP100-1 "Hydraulic Fracturing Operations – Well Construction and Integrity Guidelines", RP100-2 "Managing Environmental Aspects of E&P Activities including Hydraulic Fracturing", and Q2, "Quality Management System Requirements for Service Supply Organizations for the Petroleum and Natural Gas Industries. (See Activities Report)" 100-2, addresses outreach and community planning, is in draft/ballot form. Mr. Hurt submitted his comments earlier this week. He did not see anything effecting drilling contractors. API Q2 is currently beta testing. Q2 is more specific to service industry; focusing on quality assurance, application of quality standards. <http://www.api.org/>

Members discussed what they are doing for secondary containment now that operators are moving towards a closed looped systems. Some suggestions were to build up around ditches and diking or to lay down plastic mats.

Discussion was held regarding customers requesting estimates of air emissions from generators. Using testing equipment becomes expensive and using formulas can cause contractors to overestimate. California has developed several models that allow you to enter engine information that gives an estimate. The formulas can be found at <http://www.arb.ca.gov/homepage.htm>

Members discussed how they are performing sea chest inspections. Most are not performing the inspections, but are submitting a letter of explanation and waiver as to why they are not doing them and have, so far, not had an issue with this. Some members are looking into video ray or sea rays to perform inspections.

Denise Moyer, BP, informed the group that ASTM, under the Soil and Rock D18 committee, is developing standards for hydraulic fracturing. The group has created a list of 11 topics to form committees to develop standards. Currently, only 4% of the group works in the energy industry, 96% do not work day to day in

the oil and gas field. Ms. Moyer encourages people to join the committees, so the standards are created by people who have experience in the industry. <http://www.astm.org/>

Tina Lapene, Rowan Companies, discussed revising contracts to require operators to clean out more than just mud pits and shakers.

Agenda Item #3: Regulatory Report

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 the last committee meeting. Please [click here](#) to view the presentation.

Mr. Pertgen also informed the group that the IADC Offshore Operational Division will be attending a group meeting with the EPA in regards to general permits dealing with the Gulf of Mexico. The group is meeting to discuss issues with electronic notices of intent. If you have any questions or other issues you would like addressed, send them to John Pertgen at john.pertgen@iadc.org.

Joe Hurt, IADC, informed the group he had participated in a conference call with the Game and Fishing Department regarding the Endangered Species Act. The Game and Fishing Assistant Director informed him that they will list anything they can find. Mr. Hurt will be sending out a report on the discussion and a notice of bills currently in the House and Senate.

Agenda Item #4: Workshops on Onshore and Offshore Environmental KPIs Contractors are currently using: Christian Lavalley, Precision, and Chris Doremus, Diamond Drilling

Previously, a task group was formed to select the Environmental KPIs to measure, define KPIs, how to measure and how to report. Members broke into Onshore and Offshore groups to review and edit the list, created by the task group, of environmental KPIs.

The Onshore KPI TC was attended by Precision Drilling, H&P, Coastal, Bandera, Independence Contract Drilling and Waukesha-Pearce.

Christian Lavalley, Precision Drilling Corporation, chaired the meeting and through discussion the group established the following goal:

Goal is to provide set of criteria and instruction for industry to submit environmental KPI data, much like IADC's ISP program. Although Preventive Maintenance programs, while beneficial and proactive, they weren't considered measurable for this effort.

Agreed to utilize IADC's previous Env KPI (2009) guidance document as a starting point/end product for the task force. Group will re-review document and provide initial feedback. Intent is then to utilize this document as deliverable back to Subcommittee for consideration.

KPIs need to be concrete measures, but simplified, so as to get traction and acceptance. Future KPI effort can then expand program as appropriate.

The KPI list from last meeting was reviewed for possible candidate categories. Initial KPIs to address: Spills, fuel usage, engine family/tier percentages, and engine performance/efficiency metric.

Next task group steps

- a. Meeting with EFD regarding their Environmental Scorecard metrics and Environmental KPIs.
- b. Distribute previous IADC KPI document to taskforce for comment.
- c. Tentative September meeting/conference call to discuss progress.

Agenda Item #5: Discussion of EPA Vessel General Permit (VGP) Revision Workgroup

There was not time to discuss the VGP, and the VGP Task Group met after the meeting.

Agenda Item #6: Meeting Close Out: Next Meeting Date and Agenda Items

The next meeting will be held on the morning of 16 October 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
Anthony	Zacniewski	Bandera Drilling Co, Inc
Denise	Moyer	BP America
Melanie	Trail	Chevron
Robert	Boudreaux	Coastal Drilling
Travis	Warden	Diamond Offshore
Chris	Doremus	Diamond Offshore
Nicolas	Le Gouhinec	Ensco plc
David	Walker	Halliburton
Micah	Backlund	Helmerich & Payne
Derek	Schmalz	Hercules Offshore
Joe	Hurt	IADC
Alan	Spackman	IADC

John	Pertgen	IADC
Paul	Breaux	IADC
Leslie	Packard	IADC
Shavonnah	Schreiber	IHS, Inc
Aaron	Mueller	Independence Contract Drilling Inc
Nicki	Creasey	Kristiansson LLC
Peter	Mason	Maersk Drilling
Greg	Stevens	Maersk Drilling
Liang	Yu	Pacific Drilling
Bill	Winney	Pacific Drilling
Jessica	Selvidge	Petrofac Training Services
Christian	Lavallee	Precision Drilling Corporation
Tina	Lapene	Rowan Companies
Noah	West	Stratagraph-HESTQ
Dennis	Hayes	Transocean
George	Sladeczek	Waukesha-Pearce Industries, Inc