

From: Guide, John
Sent: Tue Oct 06 11:08:44 2009
To: Little, Ian
Subject: FW: Updated audit tracking sheet for DW Horizon
Importance: Normal
Attachments: 2009 DWH Rig Audit Tracking Sheet updated on 05 Oct 2009.xls

FYI, update on Bp Audit marine issues.

From: Rodriguez, Angel
Sent: Monday, October 05, 2009 4:31 PM
To: Guide, John; Sepulvado, Murry R; Cocalis, Brett W; paul.johnson@deepwater.com; DWH, Captain (Deepwater Horizon); Endicott, Troy M
Subject: Updated audit tracking sheet for DW Horizon

To all,

Please find attached file ready for your reviews. John, I wanted to mention that the DW Horizon crew have done a good job in completing the action items on this list.

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Regards to all,
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EXHIBIT # <u>1377</u>
WIT: _____

BP-HZN-2179MDL00381374
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TREX-01377

Last Updated by: Angel Rodriguez on 05 October 2009.

Item#	Description	% Complete	Details	IM Risk Ranking
1	Iron Roughneck	10%	Software issue with zone management Technical Field support onboard working on the issue.	
2	AFT PRS Stabilizer Arm	80%	Arm has been removed and sent to West for repairs. Arm has arrived at West for repairs. PRS arm has arrived back to rig.	
3	FWD PRS		During UWILD pins were not replaced, a survey was performed and deemed that all pins were within tolerance and did not need to be replaced at this time.	
4	Rotary Table		2010 project, receiving a new RST	
5	Overdue Maintenance		ESD PM's	
6	Main engines 1 & 4 24,000 hr inspection		The plan is to complete the inspections after hurricane season	P3

Marine: Rig Audit Recommendations to be completed prior to commencing operations

7	Port side water tight dampers PCU 18, This impacts the control & functionality of Ballast pump #4, starboard aft draft sensor, ballast tank valves & bilge valves. Implication is to effect valve operation the emergency hand pump needs to be rigged & used locally in the pumphoom.	100%	Tank return valves were closed, once open the dampers functioned properly. There are a couple of solenoids that are allowing flow by. MLP - TOI reports that the close function on all watertight dampers is fully functional. They do have an issue with hydraulic leaks that allow the dampers to close when intended to remain open. My opinion is this not hold up operations and TOI to deliver plan & timeline to rectify 100%. Reported completed as per phone conference with rig management team 10/5/2009.	P1
8	Emergency ballast suction check valves -	100%	Delivery to New Orleans on the 21st, when shipped to the heliport for Tuesday flight to the rig. MLP Will be on board and replaced Tuesday 22 Sept. TOI is conducting hourly rounds of space as well as space currently continuously manned due to ongoing pump repair work in the space. Murry R. Sepulvado, WSL, has witnessed and approved MOC mitigation plans 9/23/2009.	P2
9	Complete	100%	Marine department correcting issue. P/A check valve has been repaired, and working on the other valve.	P1

				P/F is fully functional, P/A priming valve not functioning, S/A needs PCU 18 replaced, S/F priming valve not functioning. MLP S/A pump issue rectified with completion of item 8 PCU 18 replacement and will be tested to verify completion. Murry R. Sepulvado, WSL, has witnessed and approved MOC mitigation plans 9/23/2009. Reported completed as per phone conference with rig management team 10/5/2009			P1
10	Electric Bilge Pumps - 1 in each quadrant		100%				
11	HPU for water tight dampers P/A - Complete		100%				
19	S/W pump # 1 - P/F - Complete		100%				
20	S/W pump # 2 - S/F		20%	Sheared shaft - ordering new motor. Motor has been removed and in transit to MC Electric. Estimated time of repairs 10/19/2009.			
21	S/W pump # 3 - P/F - Complete			Top seal leaking slightly - Fully operational			
22	S/W pump # 4 - S/F - Complete		100%	Bad motor, being sent in for re-wind. Motor has been removed and is in transit to MC Electric. Completed on 9/28/2009.			
23	S/W pump # 5 - P/A -		50%	Pump casing cracked but does not leak when operating. Pump #5 is currently isolated and repairs are on-going. Estimated Time of completion of repairs 10/30/2009.			
24	S/W pump # 6 - S/A - Completed		100%	Pump is out of commission, Engineers are re-building the pump. Approximately 7 day job. Engineers have started removing the motor assembly for rebuild of the pump. Repairs completed on 09/25/2009.			
25	S/W pump # 7 - P/A			Bottom seal leaking slightly - Fully operational - MLP pump still has a seal leak but is reportedly operationally sound. Estimated to time of completion of repairs 10/16/2009.			
26	S/W pump # 8 - S/A - Complete		100%	Motor was over currenting during UWILD due to only being able to run that one motor during one point while the divers were in the water. Motor has been ran since and the amps are within tolerance. Fully operational			

Marine: Rig Audit Recommends TOI submit a satisfactory resolution plan and timeline

12	Water tight door remote operation			Waiting for parts - 2 weeks till shipment from Italy			P2
13	Water tight door accumulators			Awaiting inspection by TOI.			P2

14	Water tight door dead man springs		Will research parts and order - MLP TOI to supply and implement a mitigation plan for this equipment not functioning to install a barrier to protect personnel from the faulty equipment until equipment condition is rectified. Estimated time of receipt of parts is 5 weeks as of 10/05/2009.	P1
<p>** As per BP Marine Authority TOI WTD mitigation plan to include a local procedure or MOC and risk assessment around items 12, 13, & 14. Items to be included but not limited to in the plan is how TOI are going to ensure WTD integrity of the rig, maintain access to applicable spaces for operational purposes, egress plan for personnel in the event of an emergency, and how TOI is going to protect personnel concerning WTD issues during this repair period. This is to be provided prior to the rig returning to operation.</p>				
15	Main engine #1 fuel pump - engine out of service - Completed	100%	Waiting on part - Due to redundant engine capability MODU still meets its FMEA and DP capability requirements to operate with in its operating criteria. Need timeline from TOI for expected repair completion. Completed repairs on 10/03/2009.	P1 - Classsed equipment out of service
16	Thruster #2	20%	ABB technician onboard Monday. Will not be able to get ABB tech onboard until Wednesday, ET's and Electricians troubleshooting problem. MLP Due to redundant thruster capability MODU still meets its FMEA and DP capability requirements to operate with in its operating criteria. ABB Tech ashore. Awaiting delivery GTO part from the C.R. Luigs on 10/06/2009. Marine crew will make repairs after receipt of parts.	P1 - Classsed equipment out of service
17	Fire dampers -Completed	100%	Marine department correcting issue. MLP TOI to provide an update to clarify status of this item. 9 dampers remain that require repair. TOI to provide mitigation plan for the functioning of these damper in an emergency. Fire dampers being worked onto bring them to full operation and will be verified within 24 hrs by WSL. Please refer to TOI MOC for clarification. Murry R. Sepulvado, WSL, has witnessed and approved MOC mitigation plans 9/28/2009.	
18	Helideck foam fire fighting system	20%	Received quote for foam and ordering. MLP TOI states local supplier, 2 - 3 days to receive. Foam is being transported by OSV and estimated time of delievery is 10/09/2009.	P2

Note: Close out of items to be furnished via a Class repair report or BP designated individual to witness the testing / closeout of the item.