

# Q3 Corporate Health, Safety and Environment Message 2016

Colleagues,

This is an update of the Corporate HSE plan during Q3 of 2016. The plan focuses on six areas with a total of 19 high-level actions as listed below:

2016 Corporate HSE Business Plan				
Focus Areas	Champions	Leader	Action Item	Performance Measure
Road Safety	XD OND	MSE7	Implement recommendations of the Tyre study.	100% Completion of recommendations by set deadline.
			Continue with planned installation of the solar self-let reflectors in PDO roads.	Installation of the reflectors for 292 km in South and 143 km in North.
			Conduct road safety engagement sessions in all PDO operation areas	Run at least 50 sessions in across PDO
			Combine RAS with ROP Automated Vehicle Inspection at Fahud for the North Operation.	Completing the project and launching the activities.
		UWL	Integrate Safe Journey Management system with IVMS and Centralize monitoring of Journeys for all PDO and Contractors.	Full implementation of the functionality of the system for all PDO Journeys.
			Progress the new commuting strategy for PDO and Contractors staff to/from the interior locations.	Implement extra flights to the South to cater for the remaining contractors staff and achieve more than 80% of area coverage.
Worksite Hazards	UWD GD	MSE11	Design and Develop PDO specific BBS program and Implement across PDO including Contractors.	Implementation of the program in June 2016.
		MSE13	Develop and Roll-out of HSE Leadership program for FLS through HSE Advisers and Field Standard Officers.	As per Implementation Plan.
			Develop and Roll-out of Hands and Fingers Injury Prevention program and campaigns with Well Engineering.	Implementation of the program in May 2016.
Asset Integrity - Process Safety	UEOD OSD	UOM	Conduct site awareness sessions on AIPS and enroll identified PDO Engineering and Contractor critical staff on AIPS online training.	Conduction of 6 site awareness AIPS sessions and 90% of selected staff completing the online training.
			Closing Gaps identified in "Letter of Assurance" covering all PDO oil and Gas producing assets.	100% Completion of actions by set deadline.
		MSE4	Roll out AI-PS "Incident Data Book" across all PDO.	Conduct at least 8 sessions to cover all PDO operation areas and CPD projects
Contract HSE Management	FD PCD	MSE1	Directorates to conduct HSE competence assessment, manage the gaps for Contract Holders and Contract Site representatives responsible for Medium/High HSE Risk contracts.	Complete SAP Assessments of 50% of all Directorates relevant staff.
			To enhance the HSE in Contracts, conduct HSE contract Workshops for Contract Holders and Contract Site Representatives in (PR1171 Part I). Workshops will cover accommodation and welfare sessions.	Conduct two workshops in each of the asset areas (Coast, Lekhwair, Yibal, Fahud, Qarn Alum, Bahja, Nimr, Marmul, Harweel).
Environment	UID UPD	MSE2	Implement 2016 activities as listed in the Environmental Strategy road map.	100% completion of the activities by set deadline.
			Map out PDO SOx and NOx emission exposure across PDO projects and facilities.	Production of a report with SOx & NOx emission levels map, dispersion analysis and reduction options.
Health and Welfare	MD EAD	MCC	Conduct audits to verify compliance with FTW standards and clinics requirements and progress with PRISM.	Conduct one audit in each of the asset areas (Coast, Lekhwair, Yibal, Fahud, Qarn Alum, Bahja, Nimr, Marmul, Harweel).
			Conduct health awareness sessions on lifestyle issues pan PDO. Sessions to include related MDIRC recommendations.	Conduct at least 6 sessions.
			Develop a and roll out Alcohol & Drugs Policy and associated procedure. Implement the randomized alcohol & drugs test as specified in the policy and procedure.	Development and roll out of the policy and procedure by Q1. Conduction of at least 200 random tests on alcohol & drugs by Q4.

## Road Safety

Some clarifications were sent to major tyre agencies on a number of concerns and raised issues; still waiting for their responses. Cost estimate of the tyre specs changes still under investigation.

A workshop with the concerned authorities at Ministry of Commerce, ROP and GSO was postponed due to non availability of key figures, re-organised for end of Oct 2016.

We are at the final stage of re-negotiating the prices for the solar self-let reflectors with the main supplier; splitting the project into two contracts has been agreed. Possible start of installation by Q1 2017, meanwhile involving SMEs in the preparation for the maintenance contract.

out of 50 sessions, we have conducted so far 48 driving forums sessions with a total of 2913 attendees; covering rigs, sites and contractor locations as well.

The mobile RAS units project is kept on hold due to the current ROP new basis projects that are ongoing. However, the budget is secured for 2018 & 2019.

System integration for SJM is in progress and evaluation of three different systems is ongoing. There is good progress in terms of reduction of violations as result of interaction with Journey Managers and Contract Holders who are now included in the process to follow up implementation of company consequence management matrix to particular violations. We are continuing to monitor approx. 90% of vehicles working for PDO and are in progress of receiving other credentials from the remaining contractors.

Bus Commuting project Continued with an average of 8000 people commuting by PDO bus monthly. Preparation is ongoing for the kick off meeting with new budget airline to cater for the flights to the South. Discussion with the Ministry of Tourism about development of the HUBs in Oman. Currently, working on swapping at least 5 large buses to Marco Polo or the likes (luxurious buses). Initiated discussion with Mwasalat for cooperation.

### Worksite Hazards

Engagements with pilot areas have begun as well as pre implementation works such as identifying behaviors and creating the observation cards. The date of launching has extended to 1<sup>st</sup> of January, due to delays with obtaining the database contract. Database vendor has submitted their bid and is currently under the negotiation phase. Training materials are also being developed through a registered local vendor who are creating the videos and illustrations. Product name identified as IHTIMAM.

Conducted 15 FLS workshops. A total of 314 UWD personnel trained including contractors; 50% are field supervisors. FLS website was launched for quick reference to the dashboard, FLS materials, event calendar and attendees. FLS post training notification generated and sent to participants after the workshop for refresher and follow up of personal action plan (PAP). Delivery Team Leads started to follow up on the individual FLS PAP close out and will be part of the year-end one-to-one discussion with the supervisors. FLS update, progress and proposed way forward presented to MDC.

The Line Of Defence LOD plan and progress update submitted at LSF level. Verification being done by Field Standard Officers FSO, currently 80% completed.

## Asset Integrity - Process Safety

Online Training is progressing very well; 2000 PDO staff have registered and 1580 have successfully completed the training. Work in progress to enable third party access for contractor staff. To date 7 AI-PS awareness sessions for contractors completed that covered 277 participants. To date 80% of targeted staff have completed the training.

So far good progress made by some teams with an average 61% of due gap closure activities are completed. The overall of gap closure is at 70%.

## Feedback HSE Plan Databook – Q3 2016

- Over 25000 hits to date on Databook website, with 2950 Daily Unique Visitors.
- Databook contains 129 AIPS Events, such as Tier 1, 2 and HiPo Incidents
- Over 11500 PDO LOPCs reviewed, and 1240 LOPCs in detail assessed
- Year to date over 25 Roll Out Session held with more than 600 participants
- Rev 2 Databook release in progress
- Shell LFIs (over 350) have been added to the databook and added a Quick Selection feature
- Thematic AIPS approach Fishbowls, TDG presentations.

## Plan Forward - Q4

- Finalise Tier 1 one-pagers and include all data from 2007.
- Progress functionality testing Rev 2.

## Contract HSE Management

The HSE in Contract Workshops continue in 2016 with >80 contract staff successfully completing the mandatory 2 day session. There are 2 more session to the end of the year with the potential for 30 candidates.

MSE12 completed the engagement 'Partnership in HSE' in Harweel and the next one is booked for Yibal. By Q4 we will deliver a synopsis of the engagements and send out a summary note of actions to the relevant Directorates. In Q4 MSE12 will re-visit areas to capture the "second shift" e.g. Bahja.

## Environment

- \* Develop End-to-End Waste Management Plan
  - Waste management plan is nearly completed currently under review by team members
  - Plan is in two parts part one is general requirements for all waste stream e.g. legal requirement etc part 2 for each waste stream
  - The plan cover most waste stream generated in PDO
- \* Assess feasible options for reuse and management of RO Brine
  - All RO reject water reuse options are evaluated
  - Proposal to reuse RO reject water in dust control, site preparation, drilling and injection is an officially presented to MECA and will be officially will be presented this month after including MECA requirements "

- \* Review of Oil Spill Related Costs and Assessment of Remediation Practices – LEAN Project
  - The LEAN steps to establish project charter, conduct interviews, process mapping, waste identification and elimination of waste has been completed. the remaining is to develop the countermeasures and stakeholder engagement.
- \* Soil and Ground Water Risk Assessment – Phase 2
  - Project awarded, kick off meeting conducted, site surveys and collection of samples started and work expected to be completed by Dec 2016.

Map out PDO SOx and NOx emission Project has completed two of its main objectives:

- Firstly, the locations and details of all 150+ combustion equipments within PDO has been mapped for the first time.
- Secondly, analysis of SOX and NOX emission level from all combustion sources have been completed.

- \* In order to Demonstrate ALARP from locations where emissions are expected to exceed, air quality monitoring has been conducted. The results of the monitoring are currently being analysed at laboratory and would be available to conclude the study by end of Oct..

### Health and Welfare

Regular review of Fitness to work together with Framingham evaluation is on going. Monthly random sample of HPIs are reviewed. Findings and learnings are communicated back to the concerned teams.

Several health sessions have been conducted mainly in interior locations. 2 sessions/health activities are planned in MAF in November for general population and 1 for healthcare staff including contractors.

The updated draft of Drugs and alcohol policy is still with other stakeholders for final comments and endorsement.

### The Quarter Lowlights:

There were 18 LTIs happened during Q3 including 1 fatal and 3 Non Accidental Deaths.