

Q3 Corporate Health, Safety and Environment Message 2017

Colleagues,

This is an update of the Corporate HSE plan during Q3 of 2017. The plan focuses on thirteen areas with a total of 24 high-level actions as listed below:

Focus Area	Champion	Leader	Action Item	Performance Measure
Assurance	OSD	MSE5	Develop Level 2 HSE audit toolkits and cascade to all directorates.	Development of Level 2 HSE audit toolkit for at least 3 focus areas.
			Review and incorporate directorates feedback on level 2 audit plan before launching the 2018 level 2 plan.	Collection of directorates feedback on Level 2 and incorporation into 2018 Level 2 Plan.
BBS	UWD MSEM	MSE11	Launch IHTIMAM pilot project in Nimr area for In-Sourcing, Carillion and Dalma.	Launching of IHTIMAM into the three areas
			Evaluate IHTIMAM pilot project.	Production of evaluation report of IHTIMAM project.
Worksite Hazards		MSE13	Roll out of IHTIMAM across well engineering.	Launching of IHTIMAM across WE.
			Develop new implementation strategy and roll out of Front Line Supervisor FLS phase 1 within selected Well Engineering Contractors.	Rolling out of phase 1 FLS within the selected WE contractors.
Contract HSE Management	FD	MSE12	Develop implementation plan of FLS phase 2 for PDO Well Engineering.	Development of FLS phase 2 plan.
			Launch on-Line training for the contract Holders (align with competence assessment requirements). This is to include GU-140 (C9) development and Risk Assessment of a contract.	Launching of on-line CHs training.
Emergency Response	UID	UIC4	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 75% of all directorates relevant staff.
			Create a comprehensive Emergency Response Plan for MaF that integrates all ER elements, including risks from other operators in the Industrial Area.	Production of MaF ERP.
Environment	UID UPD	MSE2	Implement 2017 activities as listed in Environmental Strategy road map.	100% completion of the activities by set deadlines.
HSE Competence	PCD	PCL8	Establish a sustainable assurance process to ensure quality of HSE training is maintained.	Establishment of HSE training assurance process.
Incident Investigation	GD	MSE3	Implement new process for minor incident and near miss investigation assurance to extract maximum learnings from these incidents for minimal effort.	Creation and implementation of minor incident investigation process.
			Finalise and launch LTI Data Book.	Launching of LTI databook.
Management of Change	UEOD	UOP6	Update and roll out MoC Procedure to make it clear and understandable to all (Using MSE Procedure Model).	Rolling out of updated MoC procedure.
Occupational Health	MD EVD	MCC	Report compliance to Framingham and Fitness to Work requirements to MDC quarterly.	Production of quarterly reports to MDC.
			Develop and roll out Alcohol & Drugs Policy and associated procedure. Implement the randomized alcohol & drugs test as specified in the policy and procedure.	Development and implementation of Alcohol & Drugs policy requirements.
			Centralize Medical Facilities for Contractors in three areas.	Completion of centralized medical facilities in 3 areas.
Radiation	UPD	MCOH2	Implement 2017 activities according to Radiation Strategy Plan.	100% completion of the activities by set deadlines.
Road Safety	XD OND	MSE7	Set a minimum standard for tyre repairs.	Creation of minimum standards for tyre repairs.
			Delivery and installation of solar self-lit road reflectors (1094 KM).	Installation of solar self-lit road reflectors for 1094 km.
		UWL	Operationalize IVMS/SJM centre and produce monthly compliance reports.	Integration of all IVMS in the centre and production of monthly reports to MDC.
			Progress the new commuting strategy for PDO and contractors staff to/from the interior locations; covering hubs, ER vehicles and utilization of Oman airports.	Production of quarterly compliance updates on commuting strategy.
Simplification	MD MSEM	MSE5	Drive simplification in every facet of our HSE management, governance, specification and measuring systems.	Provide quarterly updates to MDC on simplification progress.

Focus Area	Action Item	Q3 Update
Assurance	Develop Level 2 HSE audit toolkits and cascade to all directorates.	Action is complete
	Review and incorporate directorates feedback on level 2 audit plan before launching the 2018 level 2 plan.	Feedback was shared with MDC HSE SC and agreed on the way forward for 2018. Action is complete.
BBS	Launch IHTIMAM pilot project in Nimr area for In-Sourcing, Carillion and Dalma.	Ihtimam pilot of 8 months ended in Aug 2017. Sustainability review was completed for the 3 companies by End Sep 2017. Results of the review were successful and presented to MDC on 27th Sep. Ihtimam BBS system endorsed and approved to be used as PDO BBS system. Currently roll out strategy is being developed with
	Evaluate IHTIMAM pilot project.	completed and presented on 27th Sep to MDC
Worksite Hazards	Roll out of IHTIMAM across well engineering.	TBC based on roll out strategy development.
	Develop new implementation strategy and roll out of Front Line Supervisor FLS phase 1 within selected Well Engineering Contractors.	- Conducted 20 batches of FLS-1 workshops and attended by 381 UWD supervisors including round II and Drilling contractors (Dalma, Abraj, SLD, and Al Shawamikh) - YTD. - FLS monthly updates in LSF, DORIC, Thursday meetings.
Contract HSE Management	Develop implementation plan of FLS phase 2 for PDO Well Engineering.	- Completed FLS-2 Package facilitator's notes. - Conducted 3 batches of FLS-2 workshops and attended by 47 UWD supervisors - YTD.
	Launch on-Line training for the contract Holders (align with competence assessment requirements). This is to include GU-140 (C9) development and Risk Assessment of a contract.	No change in the status. Nonetheless, MSE12 has begun putting the slide packs together, updating material so to be ready for the eventual uploading into the web based system. The system will be similar that we have for technical Safety and Environmental awareness packages.
Emergency Response	Directories to conduct HSE competence assessment, manage the gaps for Contract Holders and Contract Site representatives responsible for Medium/High HSE Risk contracts.	The latest Contract Holder (CH) Survey is live with a closing date 10th October 2017. We have a slightly improved response with 247 returns Vs 235 previously, 52 of the contract Holders sent the survey are no longer CHs. This underlines the challenge in keeping an up to date list of CH staff. we are pleased that the CHs attending the Mandatory CHCS and HSE workshop is again increased with 83% and 77% respectively. There is a slight increase in the target @ 35% but this is well under the 75% target. We have arranged a meeting with all CH staff in October with CP support when we will raise this with the staff and work on a plan to improve this situation. As
	Create a comprehensive Emergency Response Plan for Maf that integrates all ER elements, including risks from other operators in the Industrial Area.	The final draft of the Joint ERP Framework already submitted to all MAF Tenants (ORPIC/Shell/Oman Oil/MIB) for their management endorsement. UIC4 presented the Framework to the MD/UID-MDC on 27/09/2017 and now it's ready to be presented to FLG/ROP & PACDA. The management steer is for the framework to be tested in a form of a Larger MAF Evacuation Exercise in 2018 and it's also been agreed to conduct a full scale MAF exercise once every 3 years.
Environment	Implement 2017 activities as listed in Environmental Strategy road map.	<ul style="list-style-type: none"> *Clarify and Simplify Compliance Requirements Project: <ul style="list-style-type: none"> - MECA's comments on the related requirements are included. 60% of MECA permit requirements were reduced (i.e. from 441 to 176). The updated requirements of (14 PDO facilities) was shared to MECA for their review and endorsement. * Develop and implement a phased action plan to address sewage issues in drilling units project: <ul style="list-style-type: none"> - All actions are compiled, discussed and agreed with respective action parties. Total number of agreed actions are (8) which touch base 3 main focus areas: design, process/procedure and people awareness. - A follow-up engagement with UWD is planned, to share the workshop outcomes and the agreed action plan for final endorsement and close out. * Compilation and Endorsement of Soil and Groundwater Action Plan Project: <ul style="list-style-type: none"> - Action Plan compilation is completed. - Engagement with area authority is completed and feedback was obtained. Engagement left with OND and UWD Directors to endorse their directorates actions. Once this is completed, it will be presented to MDC for endorsement. * PDO Greenhouse Gas Roadmap Project: <ul style="list-style-type: none"> - Based on full year 2016 data baseline GHG Intensity for most assets in PDO have been established. - Greenhouse Gas and Energy Efficiency Reports for all north assets have been compiled. Reports for south assets are yet to be obtained from the assets - Based on forecast submitted by assets in GHG & EE reports a list of future forecast of GHG intensity for 6 out of 8 assets have been compiled. * Leak Detection and Repair Survey Project: <ul style="list-style-type: none"> - The project team including members from MSE2, GGO, GGS and GGE teams have been established. - Contract was set up and awarded. - The two site surveys were done in July -August period. - The results have been presented to GGO team. - Report writing is in progress. *Phase II of the contaminated soil sustainable remediation project: <ul style="list-style-type: none"> - Two monitoring wells have been installed (one upstream the yard, and one downstream). The depth of each well was approximately 50 m. The water rise in the wells is approximately 25 m (pressured aquifer). - SQU team was supposed to be accompanied with MECA team to do Sampling in Jul 25 but MECA staff couldn't make it. So, SQU conducted the sampling and collected samples from both wells. The analyses we conducted at both SQU and private laboratories. - The EC and TDS results from both wells were quite high (EC ranged from 45 to 50 mS/cm, TDS ranged from 28000 to 32500 mg/L). No signs of Hydrocarbons were observed as all tested hydrocarbons were below detection limits of <0.01 mg/L). - Currently SQU developing the conceptual model of contaminant transport for the Unsaturated and saturated zones using the litho logical results from the two boreholes (60% completed) - Last sampling will be done in 3rd week of October (MECA staff should join SQU team to observe the sampling process) - One day training on Ground water Modeling Modeling for PDO & MECA staff will be conducted in October 2017 *Implement the agreed activities in the MOU between PDO & MECA (phase II) : <ul style="list-style-type: none"> - Total of 5 Lean projects with MECA. LEAN awareness session was delivered to MECA staff, LEAN mangers training was conducted in Al Jabal Al Akhdar, the training was attended by HE the minister & the Directors from MECA. PDO will train 2 MECA staff as LEAN coaches (ongoing). - Integrated environmental permits proposal was developed and submitted to MECA. - Delivered IA, Introduction to Exploration & Production and wells for non wells to MECA staff. - PEMS installation in power plants: Commercial bits will be received on 1st of Oct 2017. - 1st meeting of the Joint R&T committee was held on 23rd of March, 2017 ad research Team Members were Identified. MECA will arrange a workshop to develop a plan for research projects. - MOU progress meeting was held with HE the Minister of Environment on 25th of May, 1st and 2nd green table meeting with DG of environment were held on 9th of May 2017 and 26th of Sep respectively (100%) *Extend ambient air quality monitoring in MAF area and assess options for improvement - Communicated with STASCO to check the best practices on how to manage emissions/odors from the ships outcome was presented to HSE steering committee. - The contract has been awarded for the E-nose and Air sampling. - Air sampling Monitoring results are under evaluation ,however initial results are showing some high readings.(E-nose: 1 year monitoring , Air sampling: completed) *Actively participate in Directorates Quarterly Performance Reviews (QPR). - Q4 joint inspection visits conducted to most clusters - Findings presented and agreed with interior LT and raised to PIM - Team will participate in Q3 QPR session for OSD, OND, UID, UWD. - Obtained the dates for Q3 QPR sessions from key assets

HSE Competence	Establish a sustainable assurance process to ensure quality of HSE training is maintained.	75% of the assurance process is completed.
Incident Investigation	Implement new process for minor incident and near miss investigation assurance to extract maximum learnings from these incidents for minimal effort.	PR1418 is been reviewed and part of simplification project implementation process.
	Finalise and launch LTI Data Book.	Function test on going and few adjustments to be completed. Plan to Have User acceptance test By 22nd October
Management of Change	Update and roll out MoC Procedure to make it clear and understandable to all (Using MSE Procedure Model).	Procedure encompassing all types of operational Management of Change has now been created, reviewed and transposed to flow chart view. Awaiting support from Nigel Pitt to further reduce from A3 to A4 to meet the procedure simplification requirements only. Technically the document is complete and roll out plan has been created.
Occupational Health	Report compliance to Framingham and Fitness to Work requirements to MDC quarterly.	Framingham is now conducted for all PDO staff as part of the medical check up, over 500 staff undergone this test. Over above 6000 contractors have also completed the risk check.
	Develop and roll out Alcohol & Drugs Policy and associated procedure. Implement the randomized alcohol & drugs test as specified in the policy and procedure.	The updated policy was sent to Ministry of Manpower and awaiting their approval.
	Centralize Medical Facilities for Contractors in three areas.	In a process to start construction of the first centralized clinic in fahud.
Radiation	Implement 2017 activities according to Radiation Strategy Plan.	Mapping of radiation occurrence on PDO earth completed and demonstrated to UPD & MSEM, Final modification ongoing and will go live by October 20. LSW for directorate modified and accountability was evident by the inclusion of radiation topic in LSW. Proposal for Alnoor site restoration project proposal received from the contractor and being reviewed by the. In parallel communication with MECA and ministry of foreign affairs is ongoing on the development of regulation for sustainable NORM waste disposal. Proposal for NORM meter calibration received and being reviewed by UIK 4 team. Awaiting for final steer from UIK4/ UIK and UPD. Requirement for radiation protection supervisors included in the reviewed of HSEA R&R exercise. Way forward will be agreed on following to workshop outcome.
Road Safety	Set a minimum standard for tyre repairs.	Action is complete.
	Delivery and installation of solar self-lit road reflectors (1094 KM).	Installation of the first phase started with Natih, Fahud to Lekhwair road and the rest will continue as planned. Expected a limited delay within the agreed plan, however, this will not impact the actual completion of phase 1 by mid December 2017.
	Operationalize IVMS/SJM centre and produce monthly compliance reports.	The JMCC team are producing reports on monthly basis to all directorates, the current number of vehicles monitored at JMCC are 8531. The overall compliance is excellent and it is improved to 98% since Jan 2016 till Sep 2017. The E journey project is almost completed and the pilot test will be in Nov 2017.
	Progress the new commuting strategy for PDO and contractors staff to/from the interior locations; covering hubs, ER vehicles and utilization of Oman airports.	- Transported 8580 passengers in September - No incidents recorded since project started - 279,743 passengers since project started (109,666 PDO staff) - 26 HUBs covered + 65 villages (pick up for PDO staff) - Average seat utilization in September was 27.26% - Reduction in number of private vehicles in North 56%; as per RSST counting
Simplification	Drive simplification in every facet of our HSE management, governance, specification and measuring systems.	IT solution is being worked on and UAT will commence end of Oct. HSE MS will go live (soft launch) early Nov in selected units; additional and specific roles will be added to the system.