



Lusail Real Estate Development Company

Health, Safety, Security, Environment, Logistics & Quality Department

Lusail Construction Safety Procedural Forms/Checklists – Job Hazard Analysis Form

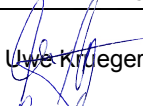
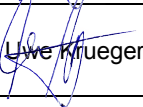
Document No LUS-HSE-FM4-431-003.01 Rev 1
Uncontrolled Copy Controlled Copy Date 01-Apr-2015

COMPANY PROPRIETARY INFORMATION

Prior to use, ensure this document is the most recent revision by checking the Master Document List. To request a change, submit a Document Change Request to the Document Control Representative. Master copy of this document will be maintained by the LREDC QA/QC Manager. Not controlled if printed.

Amendment Record

This document is reviewed to ensure its continuing relevance to the systems and process that it describes. A record of contextual additions or omissions is given below:

Rev .No	Description / Comments	Prepared By	Checked By	Approved By	Issue Date
1	(Pg. 1) Company Propriety Information – Not controlled if printed has been added.	HSE Working Group	Michael Ford	 Uwe Krueger	1 st April 2015
1	(Pg. 2) Revised Amendment Table	HSE Working Group	Michael Ford <i>Michael Ford</i>	 Uwe Krueger	1 st April 2015

JOB DESCRIPTION			
JOB REFERENCE / JHA NUMBER		DATE:	
JHA TEAM MEMBERS		SUPERVISOR:	
Sign by:		PREPARED BY:	
Review Date:		PAGE:	

PERSONAL PROTECTIVE EQUIPMENT (PPE)							
							

WORK PERMIT REQUIREMENTS							
Confined Space Entry	Work Box	Work Permit	Excavation / Penetration	Floor Roof Wall Opening	O/Side Vessel – Platform	HV Electrical Permit	
Live Electrical Work	Non Standard Lift	Mater Permit	Hot Work	Work at Height	Power Vicinity / Corridor Access	Environmental	

JOB SPECIFIC RESOURCES							
Barricading	Sentry & Sentry Board	Fire Blankets	Phones				
Drinking Water	Running Water	Voltage Reducer	Extinguishers				
Warning Signs	Fire Watch	Radio	First Aid Kit				

APPROVAL LEVEL & SIGN OFF		
Level 1 LOW RISK	Residual Risk Rating is LOW (Between 1 – 6)	_____ Or SIGNED BY JHA TEAM – SEE ‘SIGN ON’ PAGE ATTACHED
Level 2 MODERATE RISK	Residual Risk Rating is MODERATE (Between 7 – 11)	Signed by Shift Supervisor
Level 3 HIGH RISK	Residual Risk Rating is HIGH (Between 12 – 19)	Signed by Project Manager
Level 4 EXTREME RISK	Residual Risk Rating is EXTREME (Between 20 – 25)	Controls to be reviewed by Chief Executive Officer (CEO) or Chief Operating Officer (COO)

RISK MATRIX						HAZARDOUS SITUATIONS TO CONSIDER		
Lookup details: User selects one CONSEQUENCE and one LIKELIHOOD (result is determined automatically)						1	Can anyone be struck by, or come into contact with anything? Can anyone be caught in, on, under, against or between anything? Can anyone slip, trip or fall? Can anyone be exposed to environmental hazards (e.g.: fumes, lack of oxygen, noise, temperature, extremes, dust, vibrations, radiation, chemical)? Can anyone be exposed to physical limitations (e.g.: not enough space, lack of access to tools fit for purpose, uncomfortable work position)? Is anyone at risk from others working in close proximity? Could process energy be reduced? Is any environmental damage possible? Is any property or equipment damage likely?	
CONSEQUENCE						2		
	1 Minor 1 st Aid First Aid Injury 1 < Qr10k	2 Medium MTI Medically Treated Injury Qr10K - Qr20k	3 Serious RWI Restricted Work Injury Qr20k – Qr50k	4 Major LTI Lost Time Injury Qr50k - Qr100k	5 Catastrophic Fatality > Qr100k	3		
LIKELIHOOD	A – Almost Certain > 1 per week (>25%)	MODERATE 11	HIGH 16	EXTREME 20	EXTREME 23	EXTREME 25		4
	B – Likely 1/week – 1/month (10-25%)	MODERATE 7	HIGH 12	HIGH 17	EXTREME 21	EXTREME 24		5
	C – Possible 1/month – 1/year (1-10%)	LOW 4	MODERATE 8	HIGH 13	HIGH 18	EXTREME 22		6
	D – Unlikely 1/year – 1/10 years (0.1-1%)	LOW 2	LOW 5	MODERATE 9	HIGH 14	HIGH 19		7
	E – Rare < 1/10 years (0.1%)	LOW 1	LOW 3	LOW 6	MODERATE 10	HIGH 15		8
TOLERABILITY CRITERIA	RESIDUAL RISK RATING (after controls in place)	RESULT			CONTROL LEVEL (Authority)		HEIRARCHY OF CONTROLS	
	EXTREME	Unacceptable			CEO / COO		Priority	Control
	HIGH	Undesirable			Project Manager		1	ELIMINATION - complete elimination of the hazard / removal of energy source
	MODERATE	Tolerable, but risk should be reduced if reasonably practical			Supervisory Staff		2	SUBSTITUTION - use something less hazardous
	LOW	Broadly acceptable			Procedural Control		3	ISOLATION / ENGINEERING - physical barriers, guarding
						4	ADMINISTRATIVE - procedures, training	
						5	PPE - last form of control to be implemented	



Date	Shift	Signed by Work Team	Date	Shift	Signed by Work Team



Step No	Job Step (Break the job into logical stages)	Existing & Potential Hazards (associated with this step)	Control Measures (implemented to reduce the level of risk to acceptable levels)	Residual Risk Rating			Responsibility	
				Consequence	Likelihood	Residual Risk	Whom	Date
			•					
			•					
			•					
			•					
			•					
			•					
			•					