

QHSE MANAGEMENT SYSTEM RESOURCE JOB SAFETY ANALYSIS (JSA) AND RISK ASSESSMENT (RA)

DOCUMENT NUMBER
HUR-LP-QHSE-FRM015-JSA & RA-V1.0

Activity Description & Location:	Operate Forklift / Telehandler / Loader for lifting & / or transporting Onshore, Australia	Assessment No:	GN002	Rev:	1.1
		Date:	13-Jun-19		
References used: (Inc. Legal obligations)	<ul style="list-style-type: none"> WHS Act & Regulation 2011 (High Risk Work Licenses) Traffic Management Plan LUEZ Guideline 	Assessment Team:	K. Rowbotham, G. Humphreys, J. Hollingworth,		
		Company / Dept.:	Huracan		
		Frequency of Activity:	Regular		
		Persons Affected:	Huracan Crew, Rig Crew		

OPERATION / EVENT	HAZARD	RISK	Initial Risk			CONTROLS			Residual Risk		
Steps	Energy source to cause harm / damage	Consequence of hazard – harm / damage to occur	Pr	Co	RS	Detail	Person to implement	Person to monitor	Pr	Co	RS
Plan work & conduct worksite walk-around	<ul style="list-style-type: none"> Unidentified hazard/s Mobile plant interaction with pedestrians 	<ul style="list-style-type: none"> Serious injury to pedestrians Potential fatality Damage to plant & equipment	Possible	Major	Med C 4	<ul style="list-style-type: none"> Hazard ID & control Lift plan (as required) Exclusion zone set to prevent / limit pedestrian access Communicate operation & controls to workers as req. Permit (as reqd.) Nominate spotter as reqd. Review & abide by Site Traffic Mgmt. Plan as reqd 	Plant operator	Plant operator / spotter	Remote	Major	Low E 4
Conduct routine checks (Pre-start & operational checks)	<ul style="list-style-type: none"> Unsafe plant 	<ul style="list-style-type: none"> Serious injury to pedestrians Potential fatality Damage to plant & equipment 	Possible	Major	Med C 4	<ul style="list-style-type: none"> Perform checks (pre-start, operational) on plant Preventative Maintenance Program Battery isolator engaged (whilst performing maintenance ops etc.) 	Plant operator	Mechanic / Maint. Super.	Unlikely	Major	Med D 4



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Transporting / Lifting operation/s	<ul style="list-style-type: none"> Suspended load Collision / Impact plant & equipment / pedestrians 	<ul style="list-style-type: none"> Serious injury to pedestrians Potential fatality Damage to plant & equipment Dropped object 	Likely	Major	Hig B 4	<ul style="list-style-type: none"> Stay within lift plan (as reqd.) Operate plant at safe speed, driving to conditions Spotter to be used whilst loading / unloading, in congested areas or as reqd. NEVER work under a suspended load Ensure LUEZ guidelines are implemented (exclusion zones mandatory to be in place) 	Plant operator	Plant operator / Spotter	Unlikely	Major	Med D 4
Complete Job	<ul style="list-style-type: none"> Unsecured plant Line of fire (unsafe parked position) 	<ul style="list-style-type: none"> Unauthorised access to / use of plant Damage to plant or equipment 	Possible	Minor	Low D2	<ul style="list-style-type: none"> Park in designated position or safe area Ensure plant is rendered immobile before exiting (brake applied, keys removed, battery isolator) Report any damage or faults 	Plant operator	Plant operator / Super.	Unlikely	Minor	Neg E2
Approved By: J. Hollingworth				Signature: <i>Jon Hollingworth</i>				Date: 13-Jun-19			

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NOTE: Using the Risk Matrix below, identify the Consequence & Probability of each risk occurring and enter the risk score in the Inherent column. Review the consequence, probability and risk score after appropriate controls have been agreed upon. Remember, the consequence does not change unless you eliminate the hazard (only the probability may change!)

		Consequence				
Likelihood	HEALTH AND SAFETY	First Aid Injury (FAI)	Medical Treatment (MTI)	Lost time Injury (LTI)	Permanent Disability / Fatality	Fatalities (multiple)
	FINANCIAL IMPACT	< \$20K	\$20K - \$200K	\$200K - \$2M	\$2M - \$20M	\$20M+
	REPUTATION	Minimal impact on business reputation, land holder only	Some impact on business reputation, local community exposure	Moderate impact on business reputation, local media exposure	Significant impact on business reputation, national media exposure	Critical impact on reputation, international media exposure
	ENVIRO.	Incident. No breach of regulations / EA. Minimal and short term impact to any local environment.	Minor breach of regulations / EA resulting in notification to regulator. Localised, short term, recoverable minor impact on flora and fauna	Serious breach of regulations / EA resulting in reporting to regulator, investigation, environment notice or fines. Significant localised but short term environmental impact	Major breach of legislation resulting in prosecution or litigation and regulatory intervention. Serious and long term ecological impact and environmental harm. Emergency Management activated.	Significant compliance breach resulting in prosecution / class action or loss of licence. Severe environmental harm with widespread or permanent Impact Crisis Management activated.
		1. Insignificant	2. Minor	3. Moderate	4. Major	5. Catastrophic
A common event that is likely to occur in the industry many times per year	A. Highly Likely	Medium (A1)	Medium (A2)	High (A3)	Extreme (A4)	Extreme (A5)
An event likely to occur more than once a year in the industry	B. Likely	Low (B1)	Medium (B2)	Medium (B3)	High (B4)	Extreme (B5)
An event that may occur in the industry over 10 years	C. Possible	Low (C1)	Low (C2)	Medium (C3)	Medium (C4)	High (C5)
An event not likely to occur in the industry over 10 years	D. Unlikely	Negligible (D1)	Low (D2)	Low (D3)	Medium (D4)	Medium (D5)
An event that has not previously been experienced in the industry but may occur in exceptional circumstances	E. Remote	Negligible (E1)	Negligible (E2)	Low (E3)	Low (E4)	Medium (E5)
Hierarchy of Controls		Level 1 – Eliminate the Hazard		Level 2 – Substitute, Isolate & Engineer		Level 3 - Admin & PPE Controls
Reporting Requirements		Report Only – All Negligible Classifications		Investigate – All Low to Medium		TapRoot – High or above, or any Hi-Po