

Plant and Equipment Risk Assessment

	Hired From All Master Hire Stores		H	Harness		Approved By:	Steven Jose	
Equipment Location:		Equipment:				Signature:	ffr-	
		Manufactu Details	er <u>V</u>	/arious				
Hazard		Action R	equired s/No	Risk Level (Refer to risk matrix)	Hierarchy of Control	Hazard and Risk Treati Report Form)	ment (Complete Hazard	Risk Level after Risk Treatment (Refer to risk matrix)
Entangleme	nt							
brushes, rags	hair, clothing, gloves, necktie, jewellery, cleaning or other materials become entangled with moving ant, or materials in motion?	⊠ Yes □ No		MEDIUM	⊠ Elimination □ Substitution ☑ Isolation □ Engineering ☑ Administration □ PPE	Follow manufacture Obey all warning de Check harness for s tear, and ensure all order	ecals signs of wear and	LOW
Crushing								
Can anyone be crushed due to: Material falling off the plant? Uncontrolled or unexpected movement of the plant or its load? Lack of capacity for the plant to be slowed, stopped or immobilized? The plant tipping or rolling over? Parts of the plant collapsing? Coming in contact with moving parts of the plant during testing, inspection, use, maintenance, cleaning or repair? Being thrown off or under the plant? Being trapped between the plant and materials or fixed structures? Other factors?					☐ Elimination ☐ Substitution ☐ Isolation ☐ Engineering ☐ Administration ☐ PPE	Follow manufacture Obey all warning de Ensure travel of mo (forward or reversin personnel Use spotter in restri Ensure all plant and tied down securely	ecals ving plant/vehicle g) is clear of all icted areas	
	bbing and Puncturing							
ComirComirtestingrepair	e cut, stabbed or punctured due to? Ig in contact with sharp or flying objects? Ig in contact with moving parts of the plant during Ig, inspection, operation, maintenance, cleaning or of the plant? parts of the plant or work pieces disintegrating?	⊠ Yes □ No		LOW	☐ Elimination ☐ Substitution ☑ Isolation ☐ Engineering ☑ Administration ☑ PPE	Follow manufacture Obey all warning de Ensure appropriate protection for eyes, footwear)	ecals PPE is used (e.g.	LOW

Authorised by: General Manager - Safety & Personnel Date: 23/10/2023 Review Date: October 2024 Issue No: 1 Page 1 of 7



Authorised by:

General Manager - Safety & Personnel

SAFETY MANAGEMENT SYSTEM

Plant and Equipment Risk Assessment

 Work pieces being ejected? The mobility of the plant? Uncontrolled or unexpected movement of the plant? Other factors? 					
Shearing		1			
Can anyone's body parts be: Sheared between two or more parts of the plant, or between a part of the plant and a work piece or structure?	⊠ Yes □ No	MEDIUM	☐ Elimination ☐ Substitution ☑ Isolation ☐ Engineering ☑ Administration ☑ PPE	Follow manufacturers' instructions Obey all warning decals Wear appropriate PPE Establish safe working practices	LOW
Friction					
Can anyone be burnt, gain abrasions etc. due to: Contact with moving parts or surfaces of the plant, or material handled by the plant?	⊠ Yes □ No	MEDIUM	☐ Elimination ☐ Substitution ☐ Isolation ☐ Engineering ☑ Administration ☑ PPE	Follow manufacturers' instructions Obey all warning decals Attach harness securely to anchor points and use appropriate fall equipment to break fall, rather than hands Wear appropriate PPE e.g. gloves	LOW
Striking					
Can anyone be struck by moving objects due to: Uncontrolled or unexpected movement of the plant or material handled by the plant? Plant, parts of the plant or work pieces disintegrating? Work pieces being ejected? Mobility of the plant? Other factors?	☐ Yes ☑ No		☐ Elimination ☐ Substitution ☐ Isolation ☐ Engineering ☐ Administration ☐ PPE		
High Pressure Fluid					
Can anyone come into contact with? Fluids under high pressure in normal use, in the instance of plant failure?	☐ Yes ☑ No		☐ Elimination ☐ Substitution ☐ Isolation ☐ Engineering ☐ Administration ☐ PPE		
Electrical					
Can anyone be injured by electrical shock or burnt due to: The plant contacting live electrical conductors? Plant working close to electrical conductors? Overload of electrical circuits? Damaged or poorly maintenance electrical leads or cables? Damaged electrical switches?	⊠ Yes □ No	нідн	⊠ Elimination □ Substitution □ Isolation □ Engineering ☑ Administration □ PPE	Follow manufacturers' instructions Obey all warning decals Ensure all overhead/underground wiring or other obstructions have been located and disconnected prior to commencing work Note: ALL electrical work must be carried out by a qualified	MEDIUM

Date: 23/10/2023 Review Date: October 2024 Issue No: 1 Page 2 of 7



Plant and Equipment Risk Assessment

 Water near electrical equipment? Lack of isolation procedures? Other factors Explosion				and suitably licensed electrician	
Can anyone be injured by fuels such as gases, vapors, liquids, dusts or other substances being ignited triggered by the operation of the plant or by materials handled by the plant?	☐ Yes ☑ No		☐ Elimination ☐ Substitution ☐ Isolation ☐ Engineering ☐ Administration ☐ PPE		
Slipping, tripping and Falling					
Can anyone using the plant, or in the vicinity of the plant, slip, trip or fall due to: • Uneven or slippery work surfaces? • Poor housekeeping, such as shavings in the vicinity of the plant, spillage not cleaned up? • Obstacles being placed in the vicinity of the plant? • Other factors?	⊠ Yes □ No	ACUTE	☐ Elimination ☐ Substitution ☐ Isolation ☑ Engineering ☑ Administration ☑ PPE	Follow manufacturers' instructions Obey all warning decals Wear appropriate footwear Ensure harness is attached securely to anchor points Inspect anchor points to ensure their suitability Ensure there is an exclusion zone beneath workspace which is free of people Do not wrap lanyards/rope around beams — attach them to the correct anchorage points Continually monitor co-workers harness and ensure it is still correctly positioned Treat all roofs as fragile until aware of their condition to prevent falls	HIGH
High Temperature					
Can anyone: Come into contact with objects at high temperature? Come into contact with hot fluids? Be injured by fire?	☐ Yes ☑ No		☐ Elimination ☐ Substitution ☐ Isolation ☐ Engineering ☐ Administration ☐ PPE		
Temperature and Thermal Comfort					
Can anyone suffer ill-health due to: Exposure to high or low temperatures? Failure of air conditioning equipment?	⊠ Yes □ No		☐ Elimination ☐ Substitution ☐ Isolation ☐ Engineering ☒ Administration ☒ PPE	Follow manufacturers' instructions Obey all warning decals Be aware of body responses to adverse/ extreme weather conditions (hot/cold)	

Authorised by: General Manager - Safety & Personnel Date: 23/10/2023 Review Date: October 2024 Issue No: 1 Page 3 of 7



Plant and Equipment Risk Assessment

Suffocation					
Can anyone be suffocated due to: Lack of oxygen, or atmospheric contamination?	☐ Yes ☒ No		☐ Elimination ☐ Substitution ☐ Isolation ☐ Engineering ☐ Administration ☐ PPE		
Ergonomics					•
Can anyone be injured due to: Poorly designed seating? Repetitive body movements? Constrained body posture or the need for excessive effort? Design deficiency causing physical or personal stress? Inadequate or poorly placed lighting? Lack of consideration given to human error or human behavior? Mismatch of the plant with human traits and natural limitations? Other factors?	⊠ Yes □ No	MEDIUM	⊠ Elimination □ Substitution □ Isolation ⊠ Engineering ☑ Administration □ PPE	Follow manufacturers' instructions Obey all warning decals Take regular breaks/rests Exercise/stretch regularly Do not operate beyond operators personal capabilities Use suitably designed and secured loading/unloading procedures	LOW
Transportation			•		'
Can anyone be injured by this equipment falling or driven off vehicle or trailer while loading, unloading or transportation?	☐ Yes ☑ No		☐ Elimination ☐ Substitution ☐ Isolation ☐ Engineering ☐ Administration ☐ PPE		
Operational					
Can anyone be injured by this equipment	⊠ Yes □ No	MEDIUM	☐ Elimination ☐ Substitution ☐ Isolation ☑ Engineering ☑ Administration ☑ PPE	Follow manufacturers' instructions Obey all warning decals Ensure appropriate PPEs are used (e.g. eye protection, hearing and footwear) Ensure plant/vehicle is switched off before making any adjusts Ensure hold-to-run controls provided for machine are working properly Do not operate on steep slope Ensure handles and other adjustable parts are set right for the operator Ensure guards cover the entire width of	LOW

Authorised by: General Manager - Safety & Personnel Date: 23/10/2023 Review Date: October 2024 Issue No: 1 Page 4 of 7



Plant and Equipment Risk Assessment

					the rotating parts	
Other Hazards Can anyone be injured or suffer ill-health from exposure to: Chemicals? Toxic gases or vapors? Fumes? Dust? Noise? Vibration? Radiation? Other Factors?		⊠ Yes □ No	LOW	☐ Elimination ☐ Substitution ☐ Isolation ☑ Engineering ☑ Administration ☑ PPE	Follow manufacturers' instructions Obey all warning decals Check for overhead/underground utilities (gas, water, electrical) before operation Ensure equipment is appropriately labeled and meet the relevant State Legislative requirements Maintain plant/vehicle in good working order - report any malfunction or damage to Master Hire immediately and stop using plant/vehicle where it is reasonable to foresee further risk to persons or damage to equipment	LOW
Further Comments:	A Specific Risk Assessment on site		•	-		
	This equipment must only be drive	ven/operated k	oy competent	persons and hold	ders of the appropriate license	
Checklist:	 ✓ Manufacturers' manuals referenced ✓ Copy kept in Master Hires' Risk Manage 	ement File				

Authorised by: General Manager - Safety & Personnel Date: 23/10/2023 Review Date: October 2024 Issue No: 1 Page 5 of 7



Plant and Equipment Risk Assessment

Hazard / Risk Matrix

Reference: Workplace Health and Safety Queensland - Risk Assessment - Supplement 2
Risk Management Code of Practice 2007

Step 1 Determine Likelihood – What is the possibility of the event happening?

	Criteria	Description
Almost certain	Expected in most circumstances.	Event is a common problem
Likely	Will probably occur in most circumstances.	Event is known to have occurred at this site or it has happened
Possible	Might occur at some time	Event could occur at the site or I've heard of it happening
Unlikely	Could occur at some time	Event is not likely to occur at the site or I have not heard of it happening
Rare	May occur only in exceptional circumstances	Event is practically impossible.

Step 2 Determine Consequence - What will be the result if it happens?

Classification	Example detail description
Insignificant	No injuries
Minor	First aid treatment only; spillage contained at site.
Moderate	Medical treatment; spillage contained but with outside help.
Major	Extensive injuries; loss of production
Catastrophic	Death; toxic release of chemicals

Step 3 Determine th	e risk score
---------------------	--------------

Authorised by:	General Manager - Safet	v & Personnel	Date: 23/10/2023	Review Date: October 2024	Issue No: 1	Page 6 of 7
Author iscu by	ochici al managei saice	y a : e: 50::::e:	Date: 15/10/2015	ne new Bate. Getober 202 :	15546 110.	l age o or /



			CC	DNSEQUENCE	=	
SAF	EIKKLIM/ADISI A C	EMENT &YS	TEMinor	Moderate	Major	Catastrophic
	Almost certain	3 High	3 High	4 Acute	4 Acute	4 Acute
Plant	and Equipme	it Risk Asse 2 Medium	ssment 3 High	3 High	4 Acute	4 Acute
	Possible	1 Low	2 Medium	3 High	4 Acute	4 Acute
	Unlikely	1 Low	1 Low	2 Medium	3 High	4 Acute
	Rare	1 Low	1 Low	2 Medium	3 High	3 High

Step 4 Record risk score against the job sequence steps

(**Note** – Risk scores have no absolute value and should only be used for comparison and to engender discussion.)

Score	Action
4 A: Acute	ACT NOW – Urgent – do something about the risks immediately. Requires immediate attention.
3 H: High	Highest management decision is required urgently.
2 M: Medium	Follow management instructions.
1 L: Low	OK for now. Record and review if any equipment/ people/ materials/ work processes or procedures change.