

Plant and Equipment Risk Assessment

	Hired From All Master Hire Stores				np – Diesel 100 ') (Skid or Trai		Approved By:	Ben Pooley	
Equipment Location:		Equi	ipment:				Signature:	antoley.	
		_	nufacturer	Vari	ious				
Hazard		Deta	Action Required Yes/No	d	Risk Level (Refer to risk matrix)	Hierarchy of Control	Hazard and Risk Treat Report Form)	tment (Complete Hazard	Risk Level after Risk Treatment (Refer to risk matrix)
brushes, rags o	t air, clothing, gloves, necktie, jewellery, cleaning r other materials become entangled with moving nt, or materials in motion?		⊠ Yes □ No		LOW	☐ Elimination ☐ Substitution ☑ Isolation ☐ Engineering ☑ Administration ☑ PPE	Follow manufacture Obey all warning d Wear appropriate of Ensure plant is swith doing any maintenance If machine must be doing maintenance reach into engine a rotating or hot com Ensure belt guards operate correctly	ecals clothing tched off before ance running whilst do not lean or area where there are ponents	LOW
Crushing							T		T
 Materia Uncontrolload? Lack of immobil The pla Parts of Coming testing, Being the 	nt tipping or rolling over? f the plant collapsing? n in contact with moving parts of the plant during inspection, use, maintenance, cleaning or repain rown off or under the plant? rapped between the plant and materials or fixed es?) ir?	⊠ Yes □ No		HIGH	⊠ Elimination □ Substitution ☑ Isolation □ Engineering ☑ Administration ☑ PPE	Follow manufacture Obey all warning d Ensure travel of me (forward or reversing personnel Ensure all plant an tied down securely Ensure trailer is se towing vehicle Wear appropriate f Ensure exclusion z vehicle while couple	ecals oving plant/vehicle ng) is clear of all d attachments are before moving curely coupled to	MEDIUM

Authorised by: General Manager - People & Safety Created: 19/09/2023 Reviewed: 10/2024 Issue No: 1 Page 1 of 7



Plant and Equipment Risk Assessment

Cutting, Stabbing and Puncturing]				
 Can anyone be cut, stabbed or punctured due to? Coming in contact with sharp or flying objects? Coming in contact with moving parts of the plant during testing, inspection, operation, maintenance, cleaning or repair of the plant? Plant, parts of the plant or work pieces disintegrating? Work pieces being ejected? The mobility of the plant? Uncontrolled or unexpected movement of the plant? Other factors? 	⊠ Yes □ No	HIGH	☐ Elimination ☐ Substitution ☑ Isolation ☐ Engineering ☑ Administration ☑ PPE	Follow manufacturers' instructions Obey all warning decals Ensure trailer is coupled/uncoupled on level ground Ensure appropriate PPE is used (e.g. eye protection, hearing and footwear) When not in use apply/use chocks if necessary	MEDIUM
Shearing		_			
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 Ensure appropriate PPE is used (e.g. eye protection, hearing and footwear)	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 Do not lean or reach into engine area with motor running If machine must be running whilst doing maintenance, do not lean or reach into engine area where there are rotating or hot components Ensure all guards and fixtures are in place and operate correctly Ensure appropriate PPE is used (e.g. eye protection, hearing and footwear)	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	ACUTE	⊠ Elimination □ Substitution ☑ Isolation ⊠ Engineering ☑ Administration □ PPE	Follow manufacturers' instructions Obey all warning decals Use appropriate prop/s to support elevated mechanisms when conducting inspection or maintenance Ensure travel of moving plant/vehicle (forward or reversing) is free of all personnel	HIGH

Authorised by: General Manager - People & Safety Created: 19/09/2023 Reviewed: 10/2024 Issue No: 1 Page 2 of 7



Plant and Equipment Risk Assessment

High Procure Eluid				Use spotter in restricted areas Ensure all loads are placed and secured within tray of vehicle while transporting e.g. hoses, tools, moils Ensure exclusion zone in and around vehicle while loaded using mechanical aids (e.g. skid steer loader, excavator) Take care when coupling plant to a towing vehicle Ensure all persons are clear of the area when a unit is being moved / transported or coupled to a towing vehicle. Ensure correct lifting equipment and lifting points are used when moving plant	
High Pressure Fluid Can anyone come into contact with? Fluids under high pressure in normal use, in the instance of plant failure?	⊠ Yes □ No	MEDIUM	☐ Elimination ☐ Substitution ☐ Isolation ☑ Engineering ☑ Administration ☑ PPE	Follow manufacturers' instructions Obey all warning decals Ensure all protective covers are in place and safety devices are working Wear appropriate PPE	LOW
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? Water near electrical equipment? Lack of isolation procedures? Other factors	⊠ Yes □ No	ACUTE	☐ Elimination ☐ Substitution ☑ Isolation ☐ Engineering ☑ Administration ☐ PPE	Follow manufacturers' instructions Obey all warning decals Ensure all overhead/underground wiring or other obstructions have been located prior to commencing work Have power disconnected where wiring may be contacted	HIGH
Explosion 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	MEDIUM	☐ Elimination ☐ Substitution ☐ Isolation ☑ Engineering ☑ Administration ☐ PPE	Follow manufacturers' instructions Obey all warning decals Ensure safety devices e.g. safety valve and motor overload are fitted and working to minimise pressure buildup	LOW

Authorised by: General Manager - People & Safety Created: 19/09/2023 Reviewed: 10/2024 Issue No: 1 Page 3 of 7



Plant and Equipment Risk Assessment

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	MEDIUM	☐ Elimination ☐ Substitution ☐ Isolation ☑ Engineering ☑ Administration ☑ PPE	Follow manufacturers' instructions Obey all warning decals Wear appropriate footwear Use steps provided when getting in/on plant/vehicle Always observe 'three points of contact' if need to get on/in plant/vehicle Maintain cleanliness of plant/vehicle (inside and out)	LOW
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		
Suffocation		1			•
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	⊠ Yes □ No	LOW	⊠ Elimination □ Substitution □ Isolation ☑ Engineering ☑ Administration □ PPE	Follow manufacturers' instructions Obey all warning decal Do not operate beyond operators personal capabilities Use suitably designed and secured loading/unloading procedures including crane, hoist, ramps etc. Observe and use proper manual handling techniques	LOW

Authorised by: General Manager - People & Safety Created: 19/09/2023 Reviewed: 10/2024 Issue No: 1 Page 4 of 7



Plant and Equipment Risk Assessment

limitations?					
Other factors?					
Transportation				T	T
Can anyone be injured by this equipment falling or driven off vehicle or trailer while loading, unloading or transportation?	⊠ Yes □ No	ACUTE	☐ Elimination ☐ Substitution ☐ Isolation ☑ Engineering ☑ Administration ☑ PPE	Follow manufacturers' instructions Obey all warning decals Ensure equipment, attachments and sundry items are securely tied down Apply/use chocks if necessary Ensure liquids are prevented from spillage Ensure all trailer lights are connected and working properly Maintain vehicle and/or equipment 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 plant/vehicle Ensure trailer is coupled properly to towing vehicle correctly and all pins/clips and sign board are secure Ensure tyre tread is good on all tyres Ensure load is evenly and correctly positioned on trailer	HIGH
Operational			T	T	
Can anyone be injured by this equipment	⊠ Yes □ No	HIGH	☐ Elimination ☐ Substitution ☐ Isolation ☑ Engineering ☑ Administration ☑ PPE	Follow manufacturers' instructions Obey all warning decals Ensure plant/equipment is on stable ground and clear of obstructions Ensure gears, levers, switches etc. are engaged/disengaged appropriately Ensure all guards and fixtures are in place Ensure appropriate PPEs are used (e.g. eye protection, hearing and footwear) Ensure hold-to-run controls provided for machine are working properly Do not operate on steep slope	MEDIUM

Authorised by: General Manager - People & Safety Created: 19/09/2023 Reviewed: 10/2024 Issue No: 1 Page 5 of 7



Plant and Equipment Risk Assessment

					Ensure area is free of environmental hazards such as vegetation build up, snakes, spiders etc. Ensure handles and other adjustable parts are set right for the operator Ensure guards cover the entire width of the rotating parts	
Other Hazards						
Can anyone be injured of Chemicals? Toxic gases or value of Fumes? Dust? Noise? Vibration? Radiation? Other Factors?	or suffer ill-health from exposure to: apors?	⊠ Yes □ No	MEDIUM	⊠ 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 mu	st been undertal	cen prior to pla	nt operation.	, ,	
	This equipment must only be driver	n/operated by c	ompetent pers	sons and hold	lers of the appropriate license	
Checklist:	 ✓ Manufacturers' manuals referenced ✓ Copy kept in Master Hires' Risk Managem 	ent File				

Authorised by:	General Manager - People & Safety	Created: 19/09/2023 Reviewed: 10/2024	Issue No: 1	Page 6 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 the risk score

	CONSEQUENCE							
LIKELIHOOD	Insignificant	Minor	Moderate	Major	Catastrophic			
Almost certain	3 High	3 High	4 Acute	4 Acute	4 Acute			
Likely	2 Medium	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.

Authorised by: General Manager - People & Safety	Created: 19/09/2023 Reviewed: 10/2024	Issue No: 1	Page 7 of 7