

General Manager - Safety & Personnel

Authorised by:

SAFETY MANAGEMENT SYSTEM

Plant and Equipment Risk Assessment

	Hired From All Master Hire Stores		Generator - Diese	el	Assessed By:	Steven Jose	
Equipment Location:		Equipment:			Signature:	ff-	
		Manufacturer Details	Make: Various				
Hazard		Action Require Yes/No	Risk Level (Refer to risk matrix)	(Refer to risk Hierarchy of Hazard and Risk Treatment (Complete Haz		nent (Complete Hazard	Risk Level after Risk Treatment (Refer to risk matrix)
Entanglement							
Can anyone's hair, clothing, gloves, necktie, jewellery, cleaning brushes, rags or other materials become entangled with moving parts of the plant, or materials in motion?		⊠ Yes □ No	MEDIUM	☐ Elimination ☐ Substitution ☐ Isolation ☐ Engineering ☑ Administration ☑ PPE	Observe all safety in owners' manual Wear appropriate P Check area is clear machine	PE	MEDIUM
Crushing							
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?			MEDIUM	☐ Elimination ☐ Substitution ☑ Isolation ☑ Engineering ☑ Administration ☑ PPE	Observe all safety in owners' manual Wear appropriate P Check area is clear machine Do not remove gual doors open Stop engine before maintenance Keep body parts aw parts	PE before starting rds or operate with conducting	MEDIUM
Cutting, Stabbing and Puncturing				-T-	T		,
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?		⊠ Yes □ No	MEDIUM	☐ Elimination ☐ Substitution ☑ Isolation ☑ Engineering ☑ Administration ☑ PPE	Observe all safety in owners' manual Wear appropriate P Check area is clear machine	PE	MEDIUM

Review Date: October 2024

Issue No: 1

Page 1 of 6

Date: 23/10/2023



Plant and Equipment Risk Assessment

 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? 				Do not remove guards or operate with doors open Stop engine before conducting maintenance Keep body parts away from rotating parts	
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	Observe all safety instructions in owners' manual Wear appropriate PPE Check area is clear before starting machine Do not remove guards or operate with doors open Stop engine before conducting maintenance Keep body parts away from rotating parts	MEDIUM
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	Observe all safety instructions in owners' manual Wear appropriate PPE Check area is clear before starting machine Do not remove guards or operate with doors open Stop engine before conducting maintenance Keep body parts away from rotating parts	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	LOW	☐ Elimination ☐ Substitution ☐ Isolation ☑ Engineering ☑ Administration ☑ PPE	Observe all safety instructions in owners' manual Wear appropriate PPE Check area is clear before starting machine	LOW



Plant and Equipment Risk Assessment

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	Observe all safety instructions in owners' manual Wear appropriate PPE	MEDIUM
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	HIGH	☐ Elimination ☐ Substitution ☐ Isolation ☐ Engineering ☐ Administration ☐ PPE	Observe all safety instructions in owners' manual Wear appropriate PPE Check area is clear before starting machine Only qualified electrical personnel to conduct electrical work or repairs on machine	HIGH
Explosion					
Gases, vapors, liquids, dusts or other substances triggered by the operation of the plant or by materials handled by the plant?	⊠ Yes □ No	MEDIUM	☐ Elimination ☐ Substitution ☐ Isolation ☑ Engineering ☑ Administration ☑ PPE	Observe all safety instructions in owners' manual Check pressure lines/systems are clear before conducting repairs or maintenance and correctly connected before starting machine Wear appropriate PPE	MEDIUM
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	LOW	⊠ Elimination □ Substitution ☑ Isolation □ Engineering ☒ Administration ☑ PPE	Observe all safety instructions in owners' manual Wear appropriate PPE Check area is clear before starting machine	LOW
High Temperature					

Authorised by: General Manager - Safety & Personnel Date: 23/10/2023 Review Date: October 2024 Issue No: 1 Page 3 of 6



Plant and Equipment Risk Assessment

Can anyone: Come into contact with objects at high temperature? Be injured by fire?	⊠ Yes □ No	MEDIUM	☐ Elimination ☐ Substitution ☑ Isolation ☐ Engineering ☑ Administration ☑ PPE	Observe all safety instructions in owners' manual Wear appropriate PPE Check area is clear before starting machine	MEDIUM
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		•	•		
 Can anyone be suffocated due to: Lack of oxygen, or atmospheric contamination? 	⊠ Yes □ No	HIGH	☐ Elimination ☐ Substitution ☐ Isolation ☐ Engineering ☐ Administration ☐ PPE	Observe all safety instructions in owners' manual Wear appropriate PPE Check area is clear before starting machine Use in well-ventilated area	HIGH
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	LOW	☐ Elimination ☐ Substitution ☐ Isolation ☐ Engineering ☑ Administration ☑ PPE	Observe all safety instructions in owners' manual Wear appropriate PPE Check area is clear before starting machine	LOW
Other Hazards					

Authorised by: General Manager - Safety & Personnel Date: 23/10/2023 Review Date: October 2024 Issue No: 1 Page 4 of 6



Plant and Equipment Risk Assessment

Can anyone be injure	ed or suffer ill-health from exposure to: apors? A Specific Risk Assessment on site mu	⊠ Yes □ No st been undertal	MEDIUM	☐ Elimination ☐ Substitution ☐ Isolation ☐ Engineering ☑ Administration ☑ PPE nt operation?	Observe all safety instructions in owners' manual Wear appropriate PPE Check area is clear before starting machine Use in well-ventilated area	MEDIUM
	•			•		
Checklist:	☐ Hazard Report form for discrepancies repo ☐ Copy kept on Risk Management File	orted				



Plant and Equipment Risk Assessment

Hazard / Risk Matrix

Reference:

Legislation - Workplace Health and Safety Act - Queensland (14/09/2020)

Australian Standards - AS3012-2019 - Electrical Installations - Construction & Demolition Sites

Codes of Practice - How to manage work health and safety risks (SWA 2021); Managing Electrical Risks in the Workplace - 2021, Confined Spaces 2021

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 - Safety & Personnel	Date: 23/10/2023	Review Date: October 2024	Issue No: 1	Page 6 of 6
rtation is a wy.	contract manager sarety are crocking.	Date: 10, 10, 1010	iterien bate. Getober 202 :	10040 1101	i age o oi o