

Authorised by: General Manager - Safety & Personnel

SAFETY MANAGEMENT SYSTEM

Plant and Equipment Risk Assessment

	Hired From All Master Hire Stores						ini Loaders (with tachments)	n &/or without	Assessed By:	Steven Jose	
Equipment Location:		•	ipment:				Signature:	ffr-			
			nufacturer ails	Va	arious						
Hazard			Action Require Yes/No	d	Risk Level (Refer to risk matrix)	Hierarchy of Control	Hazard and Risk Treat Report Form)	ment (Complete Hazard	Risk Level after Risk Treatment (Refer to risk matrix)		
Entanglement	t										
brushes, rags or	air, clothing, gloves, necktie, jewellery, cleaning other materials become entangled with moving t, or materials in motion?		⊠ Yes □ No		Medium	☐ Elimination ☐ Substitution ☐ Isolation ☑ Engineering ☑ Administration ☑ PPE	Do not remove gua Follow Instructions Maintain Operating while machine is in Travel alarm and h correctly(where fitte	in Operator Manual Exclusion Zone use orn to operate	Low		
Crushing											
 Material Uncontr load? Lack of immobil The plate Parts of Coming testing, Being the 	nt tipping or rolling over? the plant collapsing? in contact with moving parts of the plant during inspection, use, maintenance, cleaning or repairown off or under the plant? apped between the plant and materials or fixed es?	l ir?	⊠ Yes □ No		Acute	⊠ Elimination □ Substitution ☑ Isolation ☑ Engineering ☑ Administration ☑ PPE		Exclusion Zone use orn to operate ed) rsons to operate wed when checks anducted	High		
<u> </u>	oing and Puncturing					I –					
	be cut, stabbed or punctured due to? in contact with sharp or flying objects?		⊠ Yes □ No		Medium	☐ Elimination ☐ Substitution ☑ Isolation ☑ Engineering		in Operator Manual d Assessment must	Low		

Date: 23/10/2023 Review Date: October 2024 Issue No: 1

Page 1 of 8



Authorised by: General Manager - Safety & Personnel

SAFETY MANAGEMENT SYSTEM

Plant and Equipment Risk Assessment

 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? 			□ Administration □ PPE	be conducted before operation Maintain Operating Exclusion Zone while machine is in use Only competent persons to operate plant SOP must be followed when checks and services are conducted Appropriate PPE must be worn	
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	Acute	☐ Elimination ☐ Substitution ☑ Isolation ☑ Engineering ☑ Administration ☑ PPE	Follow Instructions in Operator Manual Specific site Hazard Assessment must be conducted before operation Maintain Operating Exclusion Zone while machine is in use Only competent persons to operate plant SOP must be followed when checks and services are conducted Appropriate PPE must be worn	High
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 Instructions in Operator Manual Keep body and materials away from exhaust system, wheel while moving and engine compartment	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 Instructions in Operator Manual Specific site Hazard Assessment must be conducted before operation Maintain Operating Exclusion Zone while machine is in use Only competent persons to operate plant Only operate plant while standing on platform provided by manufacturer Do not carry passengers on machine or attachments SOP must be followed when checks	High

This is an uncontrolled copy printed on 23/10/2023

Date: 23/10/2023 Review Date: October 2024 Issue No: 1

Page 2 of 8



Plant and Equipment Risk Assessment

				and services are conducted Appropriate PPE must be worn	
High Pressure Fluid					
Can anyone come into contact with? Fluids under high pressure in normal use, in the instance of plant failure?	⊠ Yes □ No	High	☐ Elimination ☐ Substitution ☐ Isolation ☐ Engineering ☐ Administration ☐ PPE	Follow Instructions in Operator Manual Specific site Hazard Assessment must be conducted before operation Only competent persons to operate plant Pressurised fluid (e.g. hydraulic) lines must be depressurised before connection/disconnection of hoses, fittings and/or couplings SOP must be followed when checks and services are conducted Do not operate machine where faults or leaks are evident or suspected Appropriate PPE must be worn	High
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 Instructions in Operator Manual Specific site Hazard Assessment must be conducted before operation e.g. Dial Before you Dig; Disconnect/isolate overhead power cables(look up and live) Maintain Operating Exclusion Zone while machine is in use Only competent persons to operate plant SOP must be followed when checks and services are conducted Appropriate PPE must be worn	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	Acute	⊠ Elimination □ Substitution ☑ Isolation ☑ Engineering ☑ Administration	Follow Instructions in Operator Manual Specific site Hazard Assessment must be conducted before operation e.g. Dial	High

Authorised by: General Manager - Safety & Personnel Date: 23/10/2023 Review Date: October 2024 Issue No: 1 Page 3 of 8



Plant and Equipment Risk Assessment

			⊠ PPE	Before you Dig; Disconnect/isolate overhead power cables Maintain Operating Exclusion Zone while machine is in use Only competent persons to operate plant SOP must be followed when checks and services are conducted Ensure engine is shut down and allowed to cool before refueling or servicing Appropriate PPE must be worn	
Slipping, tripping and Falling			L	Trippropriate TT E made se wem	l
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 Instructions in Operator Manual Specific site Hazard Assessment must be conducted before operation Only competent persons to operate plant SOP must be followed when getting on/off equipment e.g. clear path, three points of contact Appropriate PPE must be worn	Low
High Temperature		•			
Can anyone: Come into contact with objects at high temperature? Be injured by fire?	⊠ Yes □ No	Medium	⊠ Elimination □ Substitution □ Isolation ⋈ Engineering ⋈ Administration ⋈ PPE	Do not remove guards Follow Instructions in Operator Manual Specific site Hazard Assessment must be conducted before operation Maintain Operating Exclusion Zone while machine is in use Only competent persons to operate plant SOP must be followed when checks and services are conducted Appropriate PPE must be worn	Low
Temperature and Thermal Comfort		l	I		1

Authorised by: General Manager - Safety & Personnel Date: 23/10/2023 Review Date: October 2024 Issue No: 1 Page 4 of 8



Plant and Equipment Risk Assessment

Can anyone suffer ill-health due to: Exposure to high or low temperatures?Failure of air conditioning equipment?	⊠ Yes □ No	Low		Follow Instructions in Operator Manual Specific site Hazard Assessment must be conducted before Appropriate PPE must be worn	Low
Suffocation				1	
 Can anyone be suffocated due to: Lack of oxygen, or atmospheric contamination? 	⊠ Yes □ No	Low	☐ Elimination ☐ Substitution ☑ Isolation ☐ Engineering ☑ Administration ☑ PPE	Follow Instructions in Operator Manual Specific site Hazard Assessment must be conducted before operation Only competent persons to operate plant Only operate where adequate ventilation is available SOP must be followed when checks and services are conducted Appropriate PPE must be worn	Low
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	Follow Instructions in Operator Manual Specific site Hazard Assessment must be conducted before operation Only competent persons to operate plant SOP must be followed when checks and services are conducted Appropriate PPE must be worn Use appropriate manual handling aids and techniques when doing manual tasks e.g. changing buckets, cleaning, removing obstructions, maintenance	Low
Other Hazards					

Authorised by:	General Manager - Safety & Personnel	Date: 23/10/2023 Review Date: October 2024 Issue No: 1 Page 5 of 8	
Authorised by.	deficial manager safety a refsoniter	pute, 25/10/2025 [Neview Dute, October 2024 [153de No. 1 1 dge 5 of 0	



Plant and Equipment Risk Assessment

 Chemicals? Toxic gases or value Fumes? Dust? Noise? Vibration? Radiation? Other Factors? 		⊠ Yes □ No	Medium	☐ Elimination ☐ Substitution ☐ Isolation ☑ Engineering ☑ Administration ☑ PPE	Follow Instructions in Operator Manual Specific site Hazard Assessment must be conducted before operation Only competent persons to operate plant SOP must be followed when checks and services are conducted Appropriate PPE must be worn	Low
Further Comments:	A Specific Risk Assessment on site mu	ist been undertal	ken prior to pia	nt operation?		
Checklist:	☐ Hazard Report form for discrepancies repo ☑ Copy kept on Risk Management File	orted				

Authorised by: General Manager - Safety & Personnel Date: 23/10/2023 Review Date: October 2024 Issue No: 1 Page 6 of 8



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

Authorised by: General Manager - Safety & Personnel	Date: 23/10/2023	Review Date: October 2024	Issue No: 1	Page 7 of 8
---	------------------	---------------------------	-------------	-------------



			CC	ONSEQUENCE	=		
SAF	EIKYLIMAANIA (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	
۱۵	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	OW – 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 8 of 8