

Plant and Equipment Risk Assessment

	Hired From All Master Hire Stores		Tractor Broom			Assessed By: Steven Jose		
Equipment Location:		Equipment:				Signature:		
Man Deta			Kub	ota - Neilo				
		Action Require Yes/No		Risk Level (Refer to risk matrix)	Hierarchy of Control	Hazard and Risk Treat Report Form)	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?				Medium	□ Elimination □ Substitution □ Isolation ⊠ Engineering ⊠ Administration ⊠ PPE	Do not remove guards Follow Instructions in Operator Manual Maintain Operating Exclusion Zone while machine is in use Travel alarm and horn to operate correctly		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? 				Acute	Image: Substitution Substitution Isolation Engineering Administration PPE	Follow Instructions Specific site Hazard be conducted befor Maintain Operating while machine is in ROPS/FOPS to be Travel alarm and ho correctly Seatbelt to operate worn when operatin Only competent per plant SOP must be follow and services are co Appropriate PPE m	I Assessment must e operation Exclusion Zone use correctly fitted orn to operate correctly and be g machine rsons to operate red when checks nducted	High
Cutting, Stabb	bing and Puncturing				1			·]
	be cut, stabbed or punctured due to? in contact with sharp or flying objects?	⊠ Yes □ No		Medium	☐ Elimination ☐ Substitution ⊠ Isolation ☐ Engineering	Follow Instructions Specific site Hazard		Low

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 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	High	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
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? 	⊠ 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 Control Locks to operate correctly	High

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Other factors?				Only competent persons to operate plant SOP must be followed when checks	
				and services are conducted Appropriate PPE must be worn	
ligh 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 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 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 ☑ PPE 	Follow Instructions in Operator Manual Specific site Hazard Assessment must be conducted before operation Maintain Operating Exclusion Zone	High

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Slipping, tripping and Falling				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	
 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					
 Can anyone suffer ill-health due to: Exposure to high or low temperatures? Failure of air conditioning equipment? 	⊠ Yes □ No	Low	☑ Elimination □ Substitution □ Isolation ☑ Engineering □ Administration ☑ PPE	Follow Instructions in Operator Manual Specific site Hazard Assessment must be conducted before Appropriate PPE must be worn	Low
Suffocation		1		1	

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 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	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. cleaning, removing obstructions, maintenance	Low
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	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 r	nust been und	ertaken prior to	plant operation?		

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Checklist:	Hazard Report form for discrepancies reported
	🛛 Copy kept on Risk Management File

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

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	CONSEQUENCE								
	ASTERHIRE SAFETRELINGONACEMEENTCoord SAFETRELINGONACEMEENTCOOrd Moderate							Catastrophic	
	Service	Almost certain 3 high 3 high 4 Acute 4 Acute 4 Acute							
		Plant	and Equipme	nt Risk Asse 2 Medium	ssment ^{3 High}	3 High	4 Acute	4 Acute	
	Possible 1 Low 2 Medium 3 High 4 Acute 4 A								
		Unlikely 1 Low 1 Low 2 Medium 3 High 4 Acute							
		against the job sequence stepsRare1 Low2 Medium3 High3 Highores have no absolute value and should only be							
		rison and to engender discussion.)							
Score		Action							
4 A: Acute		<i>N</i> – Urgent – do something about the risks immediately. Requires immediate attention.							
3 H: High	Highest	management decision is required urgently.							
2 M: Medium	Follow m	management instructions.							
1 L: Low	OK for n	ow. Record and review if any equipment/ people/ mater	rials/ work process	ses or procedures	s change.				