

Assessment Number: BC03			Assessment Date: 16/2/2023
Plant Type: Brick Saw Plant Make: Plant Model:			Assessment Facilitated by: Leigh Evans (Admin/Accounts Manager)
Asset/Fleet/Rego No: GRIN 680 Plant Serial No.			Assessment Participants: Chris Feldbauer (Director)
Plant Owner Name: Northern Hire Group			Follow up Assessment (See below for Revision No.)
• plant o _l • anyone	perators working, o	r in the v	ist, consider the hazards that may affect: icinity of, the plant ed, such as visitors, pedestrians, contractors, etc.
Is the plant designed to perform the task?	Yes	No	
Has the plant been modified from the original condition?	Yes	No	
Is the plant in good working condition and free of weeds & mud?	Yes	No	
All identified action items closed out/addressed (plant checks)?	Yes	No	
Is the plant safe to operate? (On completion of PHA and action closure)	Yes	No	Date: 16/2/23 Signature:

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This document has been developed as a guide to identify hazards on plant only.

This Risk Assessment has been conducted to the guidelines as detailed in the Worksafe booklet "Plant Hazard Checklist"

Workplace hazards have not been identified.

Job safety analysis (J.S.A) - Safe Work Method Statement (SWMS) is required to identify site/job specific workplace hazards.

Operators must take into account Job Safety Analysis when operating plant.

This assessment is conducted under a static condition as per Occupational Health & Safety Regulations Victoria 2017. A site specific assessment should be conducted at each change of location. Refer to Plant Regulations/National Standards for Plant (NOHSC).

Action and Approval Scheme

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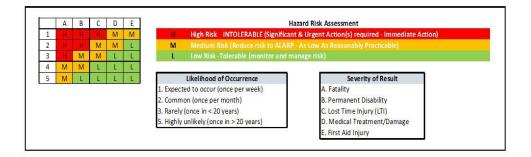
These suggested timings and tolerance levels in the Action Table will be overridden by specific policies of the company that either dictate shorter timeframes for corrective action or zero tolerance. For example, the company has a zero tolerance policy for Safety and Environmental risks.

The decision to tolerate a risk or capture a opportunity should be based on a consideration of:

Whether the risk / opportunity is being controlled to a level that is reasonably achievable;

Whether it would be cost-effective to further control risk or capture the opportunity;

Whether the operator/user wishes to tolerate risks / opportunities of that type



Disclaimer:

This Plant Hazard & Risk Assessment does not eliminate the Owner/Operator responsibility to maintain the Plant as per OH & S Regulations Victoria 2017/National Standards for Plant (NOHSC).

This assessment provides information that is based on an inspection that was made on the date noted on the assessment cover sheet. If any addition, alteration or modification has been made to this mobile item plant subsequent to that date, it may not confirm to a satisfactory level of acceptance.

All hazards identified in this document must be rectified within 21 days of date listed on this form.

If faults are not rectified in 21 days, this document becomes null and void.

I acknowledge receipt of the complete Assessment for the Mobile Plant item detailed on the cover sheet.

Supervisor/Operator	Name:

Supervisor/Operator Signature:

Date:	/	/
Date.	/	/

Further information

Contact the WorkSafe Victoria Advisory Service on 1800 136 089 or go to worksafe.vic.gov.au to download:

- Occupational Health and Safety Act 2004
- Occupational Health and Safety Regulations 2017
- Plant Compliance Code
- · Hazardous Manual Handling Compliance Code
- Noise Compliance Code
- Hazardous Substances Compliance Code
- Code of Practice for Storage & Handling of Dangerous Goods

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Potential Hazards	ŀ	Hazaı		Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
	Υ	N	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
1. Are there any specific warnings or conditions (manufacturers or other) relating to potential hazards from the operation of the item of plant? Refer to technical or operating manuals, SOPs, safe use instructions List any relevant safety warning hazards & controls	Y			Injury to persons or damage to property due to incorrect usagePotential Hazard	Ensure all users have read and understood the Safe Use Guide (attached) before operating.	Н				
2. Are there any COMMUNICATION requirements in relation to the safe operation of the plant? Active signalling processes. Point to point communications. Whistle Spotter (with/without whistles) Flag signalling Labels and signage	Y			Potential Hazard	Ensure all users have read and understood the Safe Use Guide (attached) before operating Ensure all safety decals are in place and legible	L				

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Potential Hazards	ŀ	Hazar		Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
	Υ	N	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
3. Can anyone be ENTANGLED in the plant? Hair or other body parts caught in moving parts PPE caught in moving parts Isolation devices Warning decals Guarding Rotating parts Emergency stops	Y			Potential injury due to contact with plant	Ensure all users have read and understood the Safe Use Guide (attached) before operating Exclusion zones and PPE (goggles, mask, protective clothing) will be required and a risk assessment must be undertaken onsite to determine PPE and controls Ensure hair, jewellry, loose clothing & body parts are away from moving parts.	I				

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Potential Hazards	Y	lazar N	N/	Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required on Plant	Final Risk Level	New or Additional Controls Action By: (Name and Date)	Action Verified as Complete: (Name and Date)
4. Can anyone be CRUSHED or TRAPPED? (e.g. through unexpected movement, lack of capability for plant or equipment to be slowed, stopped or immobilised, plant tipping or rolling, being thrown from plant)		N	A						(name and sate)	July
 Emergency stop (E Stop) Service or parking brake Battery isolator ROPs/FOPs Being crushed between moving parts Unexpected movement Neutral Start Reversing/travel alarm Warning horn Amber flashing beacon Rear swing warning lights Pedals non slip surface Appropriate controls Rear view mirror Seat belt Door inter locks Crush zone decals Guarding devices Mandatory secondary protection device installed on all boomtype MEWP 										

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Potential Hazards	ŀ	lazaı		Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
	Υ	N	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
5. Can anyone be CUT, STABBED or PUNCTURED? Flying objects Moving parts Pinch points Sharp edges Isolation devices Warning decals Guarding	Y			Injury due to contact with moving parts or ejected materials/debris	Ensure all users have read and understood the Safe Use Guide (attached) before operating Exclusion zones and PPE (goggles, mask, protective clothing) will be required and a site specific risk assessment must be undertaken to determine PPE and controls	Н				
Between two moving and rotating parts Between fixed and moving parts Warning decals Guarding Guarding	Y			Injury caused by contact with moving parts	Ensure all users have read and understood the Safe Use Guide (attached) before operating Do not remove guards. Exclusion zones and PPE (goggles, mask, protective clothing) will be required and a site specific risk assessment must be undertaken to determine PPE and controls	M				

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Potential Hazards		Haza	rd	Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
	Υ	N	N/ A	Docoriso Hazara	001111010	Garrent Rick 2010.	on Plant	Level	By: (Name and Date)	(Name and Date)
 7. Can ABRASION, TEARING or STRETCHING occur? Continuous contact with moving parts Warning decals Guarding Pulling/pushing 	Y			Injury caused by repetitive movement	Ensure all users have read and understood the Safe Use Guide (attached) before operating Exclusion zones and PPE (goggles, mask, protective clothing) will be required and a siet specific risk assessment must be undertaken to determine PPE and controls Operator to ensure reguar rest periods during operation	L				
8. Can anyone be STRUCK whilst operating the plant? Plant disintegrating Mobility of plant travelling Reversing/travel alarm Amber flashing beacon Work pieces thrown out Moving parts Warning decals Guarding	Y			Injury to persons or damage to property caused by ejected materials/debris	Ensure all users have read and understood the Safe Use Guide (attached) before operating Exclusion zones and PPE (goggles, mask, protective clothing) will be required and a site specific risk assessment must be undertaken to determine PPE and controls	M				

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Potential Hazards	ı	Hazaı		Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
	Υ	N	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
9. Can a hazardous PRESSURE be produced? Hydraulic hoses		N								
 Radiator Come into contact with fluids under high pressure 										
10. Can an ELECTRICAL hazard be created? Lack of insulation Contact with electrical conductors Poor earthing Water near equipment Lack of isolation Warning decals	Y			Potential electrical hazard caused by damage to power lead and/or contact with water	Ensure all users have read and understood the Safe Use Guide (attached) before operating Check power lead daily and do not use if signs of wear or damage detected. Ensure the power source is connected to an RCD (safety switch), and that the lead and connections are protected from moisture. Exclusion zones and PPE (goggles, mask, protective clothing) will be required and a site specific risk assessment must be undertaken to determine PPE and controls	H				

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Potential Hazards	ŀ	lazaı		Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk Level	New or Additional Controls Action By:	Action Verified as Complete: (Name and
	Υ	N	N/ A				on Plant	Level	(Name and Date)	Date)
11. Can an EXPLOSION or LOSS OF CONTENTS occur? Gas emission, Dusts Vapours, lubricants Fuel tank Storage of haz chemicals/DG's near plant Warning decals Ejection of workpiece Collapse or fragmentation	Y			Injury to persons or damage to property caused by ejection of workpiece and/or debris	Ensure all users have read and understood the Safe Use Guide before operating Ensure operator use of appropriate PPE	M				
12. Can anyone using or near the plant SLIP, TRIP or FALL? Uneven surface Fall from a height Weather conditions Slippery surfaces	Y			Injury to persons or damage to property	Site specific risk assessment must be undertaken by client prior to operating plant	L				
13. Are there ERGONOMIC - MANUAL HANDLING hazards associated with the plant? Poor posture Repetitive or sustained movements Awkward positions Strained movements Poorly designed seating Access and egress Access for maintenance Routine inspections and adjustments	Y			Potential injury due to repetitive movement	Ensure all users have read and understood the Safe Use Guide (attached) before operating Operator to ensure reguar rest periods during operation	L				

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Potential Hazards	ŀ	Hazar		Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk Level	New or Additional Controls Action By:	Action Verified as Complete: (Name and
	Υ	N	N/ A				on Plant	20101	(Name and Date)	Date)
14. Are there ERGONOMIC - OPERATING CONTROL hazards associated with the plant?		N	A							·
 Difficult to understand Inappropriate colouring Function not identified Inappropriate controls & switches Access and egress Labelling of controls and indicators Variation in operators Operation by two or more persons 										
15. Are there specific requirements for ISOLATION of energy sources? Hydraulic pressure Compressed gases Electrical feeds/capacitors Motive power systems Suspended loads Operation by two or more persons	Y			Potential electrical hazard	Ensure all users have read and understood the Safe Use Guide (attached) before operating Ensure power cable is located away from cutting blade and water	M				
 16. Can unplanned LOSS of POWER create a hazard? Engine shutdown Loss of electrical supply Loss of steering systems Ability to apply brakes and stop Ability to lower suspended loads 	Y			Injury to persons or damage to property due to loss of electrical supply	Ensure all users have read and understood the Safe Use Guide (attached) before operating	L				

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Potential Hazards	ı	Hazaı		Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk Level	New or Additional Controls Action By:	Action Verified as Complete: (Name and
	Υ	N	N/ A				on Plant	20101	(Name and Date)	Date)
17. Can anyone be SUFFOCATED?		N								
 Lack of oxygen Contaminated atmosphere Confined spaces Spaces where air flow is inadequate 										
18. Does operation of the plant cause extreme TEMPERATURE changes? • Fire • Burns through conduction • Convection • Cryogenic burns • Operation in extreme heat or	Y			Injury from contact with hot components	Ensure proper use of PPE as friction can cause high heat on both blade and cut object which could result in injury	L				
cold 19. Can a FIRE occur? Friction Ingress of materials/fluids Build-up of materials/lubricants Fuels Fire extinguisher	Y			Potential Hazard due to friction heat	Ensure all users have read and understood the Safe Use Guide (attached) before operating Do not use saw on combustible materials	L				
20. Can certain WEATHER conditions create a hazard? Hypothermia / extreme cold Heat stroke / extreme hot Wet conditions Electrical storms Dirt & mud on roads at egress points	Y			Potential Hazard	Site specific risk assessment must be undertaken prior to operating plant. Observe local weather warnings.	L				

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	Υ	N	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
 21. Does VIBRATION of the plant create a hazard? Plant becomes unstable Causes physical problems for the operator whilst operating Vibration of equipment Operation could cause unacceptable vibration levels in nearby structures 	Y			Potential injury from vibration	Ensure all users have read and understood the Safe Use Guide (attached) before operating Ensure operator takes regular rest breaks	L				
22. Can the plant emit toxic FUMES or VAPOURS? Exhaust fumes Chemicals Haz chemicals/DG's	Y			Potential hazard from exposure to dust	Do not use in enclosed spaces. Designed for wet use to elimate exposure to dust. Ensure adequate ventilation & proper use of PPE	L				
23. Carry out NOISE survey on page 14. Is the plant noisy? Emit >85 dBA at the operator Effects operator communication Noise impacts on community during out-of-hours work (including reversing beepers)	Y			Potential hazard with prolonged use	Ensure all users have read and understood the Safe Use Guide (attached) before operating Ensure operator uses appropriate PPE (Hearing Proteciton)	L				

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Potential Hazards	ŀ	Hazard		Describe Hazard	Controls Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:	
r otomar nazarao	Υ	Ν	N/ A	Docorino Fiazara	001111010	Guirone Mon 2010.	on Plant	Level	By: (Name and Date)	(Name and Date)
24. Carry out the LIGHT survey on page 14. Is there poor visibility			N/ A							
 At the controls At the task Darkens surrounding areas Light impacts on community or sensitive natural environment during out-of-hours work 										
25. Does the plant emit RADIATION?		N								
■ Eg X-rays ■ EMR ■ Laser										
26. Can operation of the plant create DUST? Explosive atmosphere Breathing hazard Reduced visibility Nuisance dust at nearby community Impact on local flora and fauna Loss of topsoil and spread of weeds and pathogens	Y			Potentional injury from inhalation of dust. Silica dust (crystalline silica) is found in some stone, rock, sand, gravel and clay. Silica dust particles become trapped in lung tissue causing inflammation and scarring. The particles also reduce the lungs' ability to take in oxygen. This condition is called silicosis. Silicosis results in permanent lung damage and is a progressive, debilitating, and sometimes fatal disease. Asbestosis is a lung disease caused by inhaling asbestos fibers.	Site risk assessment must be undertaken to ensure hazardous dust is not produced or disturbed by plant/task (e.g. silica dust, asbestos) Exclusion zones and PPE (goggles, mask, protective clothing) will be required and a risk assessment must be undertaken onsite to determine PPE and controls	M				

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Potential Hazards	I	Hazard		Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
	Υ	N	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
 27. Can the plant become UNSTABLE during operation? Working on uneven / unstable ground Shifting load Lack of plant support Outriggers 	Y			Potential Hazard	Operate on stable, level surface only Ensure all users have read and understood the Safe Use Guide (attached) before operating Site specific risk assessment must be undertaken by client onsite to determine PPE	M				
28. Could LOSS of LOAD occur? Failure of ropes/slings		N			and controls					
Overloading Entanglement in surrounding structures Maintenance requirements										

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Potential Hazards	Hazard			Describe Hazard	Controls Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:	
	Υ	N	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
29. Is there anything in the	Υ			Potential Hazard	Site specific risk					
SURROUNDING ENVIRONMENT that					assessment					
may produce a hazard?					must be undertaken to					
					detemine					
■ Power lines					controls, PPE &					
Low ceilingOther plant					exclusion zones.					
Storage areas										
 Co-located equipment 										
Isolation requirementsPotential for flash flooding if										
operating adjacent to										
waterways										
 Operating in known areas of weeds, pathogens or 										
contamination										
Operating in sensitive										
environments requiring protection from offsite										
weeds/pathogens or spills										
30. Can CHEMICALS create		Ζ								
a hazard?		"								
Leaking from plant										
Splashing										
Explosion										
PPE considerationsSpill kit considerations										

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Potential Hazards	Hazard		ď	Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
	Υ	N	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
31. Operator TRAINING / QUALIFICATIONS? Training requirements Qualification requirements Competency assessments Documentation Operator's manual Equipment experience Product knowledge	Y				Ensure all users have read and understood the Safe Use Guide (attached) before operating. Undertake a Job Safety and Environmental Analysis before use of plant, and use to determine that the relevant safety procedures are in place before commencing work.					
32. Are there ANY OTHER potential hazards generated by or during the use of this item of plant and/or any attachments?	Y			Plant Failure	Pre – Operational Inspection		DAILY - Operators must complete Start-up checklist Operation checklist Parking Checklist			

ALL OPERATORS OF THE PLANT OR EQUIPMENT MUST BE BRIEFED ON THE PLANT HAZARD ASSESSMENT (PHA) PRIOR TO FIRST TIME USE.

ANY RELEVANT CONDITIONS WHICH MAY IMPACT ON THE OPERATION OF THIS ITEM OF PLANT OR EQUIPMENT MUST BE TRANSFERRED TO THE AMS/TRA.

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NOISE REPORT							
Equipment Type:	Brick Saw	Serial/Asset No.	BRICKSAW				
Make:		Model:					
Test by (print):	Leigh Evans	Date:	18/6/20				
Signature:							
Sound Level Meter Ur	nit Used:						
Manufactures specifie	ed noise level:		99-107 dBA				
Background level:			99 dBA				
Results - Operator's		>106.9	dBA High Idle				
(Equipment Operating	1)	>99.1	dBA Low Idle				
Comments:		1					
must be worn at all tir comply may result in							
Results – Bystander F							
At 7 metres from side	of equipment – Equip	oment Operating (Hig	_				
Front		90 dBA					
Rear		90 dBA					
Left		90 dBA					
Right 90 dBA							
Comments:							

LIGHTING REPORT				
Test by (print):		Date:		
Signature:				
Lux Meter used:				
Results - Operator's station				
At controls				Lux
At emergency control				Lux
In front/over task				Lux
Left side task				Lux
Right side task				Lux
Comments:				
Results – Surroundings:				
Clearly seen by others?		□ Yes	□ No	
Decrease lighting in walkways	?	□ Yes	□ No	
Decrease lighting to other wor	□ Yes	□ No		
Comments:				

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This Hazard Identification and Risk Assessment has been prepared based on several key assumptions:

- 1. That all examples of the plant currently in service are as per their original specification.
- 2. That all examples of the plant have not been modified in any way without the prior written consent of the manufacturer or owner.
- 3. That all examples of the plant are operated and maintained in accordance with the Manufacturer's Instructions and with all applicable statutory requirements.

Northern Hire Group have made every attempt to identify all reasonable foreseeable operating circumstances in preparing this assessment, however no guarantee as to the completeness of this Assessment is provided or implied.

You should always check any applicable legislation and make your own judgement about what action you may need to take to ensure you have complied with the law.

It is the responsibility of the Employer, Contractor, Operator(s) to assess and identify any **site or operation specific hazard** associated with the use of this equipment specifically applicable to the task to be carried out and to where the equipment is to be used or located. They must assess the risk potential for each of the identified hazards and ensure that all reasonably practicable steps are undertaken to ensure those risks are effectively controlled.

All operators must be trained and competent in the use of this plant and hold appropriate qualifications as required by applicable regulatory requirements.

Operators of the plant to which this Risk Assessment refers must read and understand the instructions for Use and Warnings contained in the Operator Manual, or supplied with this Assessment, prior to use.

All daily Pre-Start checks, Routine and Periodic Inspections, Maintenance and Repairs to this plant must be carried out in accordance with the requirements of applicable Australian Standards.

NOTES:		

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