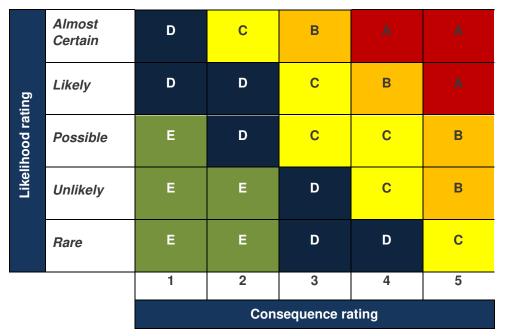


Assessment Number: 1			Assessment Date: 16/6/20
Plant Type:Trailer Mounted Boom LiftPlant Make:SnorkelPlant Model:MHP13AT			Assessment Facilitated by: Leigh Evans (Admin/Accounts Manager)
Asset/Fleet/Rego No: BOOM Plant Serial No. MHP13AT-07-000068			Assessment Participants: Lachlan Horton (Yard Manager)
Plant Owner Name: Northern Hire Group			Initial Assessment Follow up Assessment (See below)
Follow up based on change to:			
Use of plant 🗌 System of work 🗌 Plant	Environme	ent 🗌	New or additional information Plant through modification
Is the plant designed to perform the task?	Yes X	No 🗌	
Has the plant been modified from the original condition?	Yes 🗌	No X	
Is the plant in good working condition and free of weeds & mud?	Yes X	No 🗌]
All identified action items closed out/addressed (plant checks)?	Yes X	No 🗌]
Is the plant safe to operate? (On completion of PHA and action closure)	Yes X	No 🗌]
			Date: Signature:



Risk / Opportunity Rating Table (see <u>Risk Management Consultation</u>

<u>Process Appendix</u> for a full description of Risk Consequence, Opportunity Consequence and Likelihood Ratings)



Action and Approval Scheme

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 user wishes to tolerate risks / opportunities of that type

Action Table

Residual risk / opp level	Suggested action	Timing of status report and management plans	Authority for continued toleration or improvement of residual rating.		
A	Take action to eliminate or implement additional controls to reduce it to acceptable level (ALARP/SFAIRP). "Onsite activities" – Intolerable and activity must not commence	Report as soon as practicable. Normally within hours.	Senior Executive Manager Plus Project Manager / Project Leadership Team		
В	Implement additional controls reduce it to ALARP/SFAIRP. "Onsite activities" – must not commence without Corporate Management review	Manage and re-evaluate risk / opportunity to allow reporting days Manage and re-evaluate risk / opportunity to allow reporting every two weeks	General Manager and / or Project Manager / Project Leadership Team		
с	Implement additional controls reduce it to ALARP/SFAIRP. "Onsite activities" – must not commence without Site Management review	Manage and re-evaluate risk / opportunity to allow reporting monthly	"Specialist" Manager, eg Construction or Design Manager		
D	Will still require attention within existing operations to reduce to ALARP/SFAIRP. "Onsite Activities" – Site Management must determine appropriate level of management and supervision prior to commencement of activity	Manage and re-evaluate risk / opportunity to allow reporting every quarter	Team Leader		
E	Lower priority. May be tolerable.	Lower priority. May be Carryout activity in			

Revision No: 2 Issue Date: 16/6/2020



Potential Hazards		Hazard		Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action By:	Action Verified as Complete:
	Υ	Ν	N/ A				on Plant	Level	(Name and Date)	(Name and Date)
 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			Potential Hazard	Refer to attached Safety Instructions, pages 1-1 to 1-4 of Operator Manual & site specific controls					
 2. Are there any <u>COMMUNICATION</u> 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	Refer to attached Safety Instructions, pages 1-1 to 1-4 of Operator Manual & site specific controls					



Potential Hazards		Hazar		Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
	Y	Ν	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
 3. Can anyone be <u>ENTANGLED</u> 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			Entanglement risk from moving parts	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. Machine must be isolated before cleaning or maintenance. Body parts and loose items such as jewellery, fabric, strapping, cables, wires etc. to be kept clear of moving parts					



4. Can anyone be CRUSHED or TRAPPED? (e.g. Y Death or serious injury from: Ensure that all operators follow approved	
TRADREDO (o r	
appioved	
inter the internet of the inte	
and anticading	
equipment to be	
slowed, stopped or	
Immobilised, plant working load	
tipping or rolling, being	
thrown from plant) levelled	
Additional height Ensure clear	
Emergency stop (E Stop) reaching equipment labels re: pinch	
(iddicio, boxes, etc)	
Battery isolator Being used. point/ crush zone, keep	
Being crushed between	
moving parts present, clear	
 Unexpected movement and legible at all 	
Neutral Start times.	
Reversing/travel alarm A warning label	
• Warning norm	
Amber hashing beacon	
Rear swing warning lights	
Pedals non slip surface Appropriate controls	
Pear view mirror	
Seat helt accordingly	
Dogripter locks Analysis	
De worn at all	
Guarding devices imes during operation.	
• Mandatory secondary	
protection device installed on Isolate plant	
all boomtype MEWP before	
commencing	
pre-start. Identify delineation	
between site	
personnel and	
plant. Apply park	
brake and	
isolation	
procedures to be	
implemented	
when leaving	
cabin	
Exclusion zones	
will be required	



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:
	Y	Ν	N/ A	Doombo Hazara	oontroid		on Plant	Level	By: (Name and Date)	(Name and Date)
					and a site specific risk assessment must be undertaken onsite to determine extent of controls					
					High risk Construction work requires the creation and consultation on SWMS –refer to local requirements.					
					Refer to transport load restraint guide or transport SOP/SWMS to determine proper securing of device.					
 5. Can anyone be CUT, STABBED or PUNCTURED? Flying objects Moving parts Pinch points Sharp edges Isolation devices Warning decals Guarding 	Y			Potental injury from ejected materials or items falling from height	Pre-start inspection must ensure all guards are in place. Exclusion zones and PPE (goggles, mask, protective clothing) will be required and a risk assessment must be undertaken onsite to determine PPE and controls.					



Potential Hazards	ł	Hazaı	rd	Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
	Y	Ν	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
 6. Can SHEARING occur? Between two moving and rotating parts Between fixed and moving parts Warning decals Guarding 	Y			Body parts can be sheared between two parts of the plant or plant and obstacle/structure while in operation	Exclusion zones and PPE (goggles, mask, protective clothing) will be required and a risk assessment must be undertaken onsite to determine PPE and controls. Machine must be isolated before cleaning or maintenance					
 7. Can ABRASION, TEARING or STRETCHING occur? Continuous contact with moving parts Warning decals Guarding Pulling/pushing 	Y			Injury caused by contact with moving parts	Exclusion zones and PPE (goggles, mask, protective clothing) will be required and a risk assessment must be undertaken onsite to determine PPE and controls. Machine must be isolated before cleaning or maintenance					



Potential Hazards	Hazard		rd	Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
	Y	Ν	N/ A	Doombo Hazara			on Plant	Level	By: (Name and Date)	(Name and Date)
 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			Operator and/or workers/public struck by plant, falling objects and/or debris	Exclusion zones and PPE (goggles, mask, protective clothing) will be required and site specific a risk assessment must be undertaken to determine PPE and controls.					



0 Oan a harandarra									1
9. Can a hazardous	Y			Potential Hazard	This item of				
PRESSURE be	Ĺ				plant has				
produced?					hydraulic hoses.				
					These bases				
 Hydraulic hoses 					These hoses				
 nyuraulic noses Dediator 					must be				
 Radiator 					inspected each				
Come into contact with fluids					day or before				
under high pressure					each use for				
					wear and tear. I f				
					there are visible				
					signs of wear				
					immediate				
					action must be				
					taken to control				
					the risk arising				
					from this wear.				
					These				
					inspections must				
					be documented.				
					Hydraulic fluid at				
					high pressure				
					can penetrate				
					the skin, never				
					use any part of				
					your body to				
					check for leaks.				
					If oil penetrates				
					the skin seek				
					medical advice				
					immediately.				
					Always use a				
					piece of				
					cardboard or				
					similar to check				
					for suspected				
					leaks.Hydraulic				
					pressure can be				
					stored and is a				
					hazard. Before				
					disconnection or				
					connection of				
					hydraulic hoses				
					complete the				
					following steps -				
					1. Stop engine				
					2. Keep all				
					bystanders clear				
					of the work area				
Bovision No: 2	1	1	I			1		l	Baga 0 of 22



Potential Hazards	I	Hazar		Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
	Y	Ν	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
					3. Refer to operators manual as to methods to release pressure					
					4. Wait 5 minutes					
					Ensure that a sturdy, permanent shield is installed to prevent injury due to fluid jet or movement (whiplash) of all hydraulic hoses as a result of fluid leakage or component failure. Once installed this shield(s) must be present and fully functional at all times whilst this item of plant is in operation.					



 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	Contact wih overhead and/or underground electrical services	Determine location of overhead and underground hazards and clearly mark above ground with minimum approach distances. These distances must be adhered to strictly. Spotters are required when working within 5 metres of the minimum approach distance of any live electrical apparatus.Any encroach within the minimum approach			
			been met – 1. The machine is designed to work within the minimum approach distances			
			2. Permission has been granted by the electricity company and			
			3. Safe systems of work have been documented and approved.			



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:
	Y	Ν	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
					Establish exclusion zone.					
 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			Potential Hazard	Please refer to Operator Manual A site specific risk assessment must be undertaken by client prior to operating plant					



Potential Hazards		Haza	N N/	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:	
	Υ	Ν	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
12. Can anyone using or near the plant SLIP, TRIP or FALL?	Y			Potential Hazard	All personnel must –					
 Uneven surface Fall from a height Weather conditions 					1. Always face the item of plant during access and egress.					
 Slippery surfaces 					2. Always maintain three points of contact during access and egress.					
					3.Ensure the steps are clean.					
					4. Never jump off machine.					
					All controls including all levers, buttons, pedals, switches etc. must be kept non-slip and free from damage at all times.					
					A site specific risk assessment must be undertaken by client prior to operating plant					



Potential Hazards	I	Haza	-	Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk Level	New or Additional Controls Action	Action Verified as Complete:
	Υ	Ν	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
 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 Hazard - Strains	All controls including all levers, buttons, pedals, switches etc, are placed near the operator work position and are easy to reach and operate during the execution of the operator's normal duties. This applies for all persons within the 95th percentile of the normal population distribution.					
 14. Are there ERGONOMIC OPERATING CONTROL hazards associated with the plant? 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 	Y			Potential Hazard	All controls including all levers, buttons, pedals, switches etc. are clearly labelled as to their purpose and method of operation. These labels must be maintained in a clean and serviceable condition at all times					



Potential Hazards	ŀ	lazaı	rd	Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
i otomar nazarao	Υ	Ν	N/ A	Doombo Hazara	oontroid		on Plant	Level	By: (Name and Date)	(Name and Date)
15. Are there specific requirements for ISOLATION of energy sources?	Y			Potential Hazard	Please refer to Operator Manual					
 Hydraulic pressure Compressed gases Electrical feeds/capacitors Motive power systems Suspended loads Operation by two or more persons 										
16. Can unplanned LOSS of POWER create a hazard?	Y			Potential Hazard	Please refer to Operator Manual					
 Engine shutdown Loss of electrical supply Loss of steering systems Ability to apply brakes and stop Ability to lower suspended loads 										
 17. Can anyone be SUFFOCATED? Lack of oxygen Contaminated atmosphere Confined spaces Spaces where air flow is inadequate 		N								
 18. Does operation of the plant cause extreme TEMPERATURE changes? Fire 		Ν								
 Burns through conduction Convection Cryogenic burns Operation in extreme heat or cold 										



Potential Hazards	I	Hazar	ď	Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
	Y	Ν	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
 19. Can a FIRE occur? Friction Ingress of materials/fluids Build-up of materials/lubricants Fuels Fire extinguisher 	Y			Potential Hazard	Fire extinguisher(s) to AS 1841 must be present and fully functional and serviceable at all times. They must be readily accessible to the operator. Regular inspections must also be carried out in accordance with the manufacturer's requirements and AS 1851					
 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	Please refer to Operator Manual Observe local weather conditions and warnings. A site specific risk assessment must be undertaken by client prior to operating plant					
 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 		N								



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:
	Y	Ν	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
 22. Can the plant emit toxic FUMES or VAPOURS? Exhaust fumes 	Y			Potential Hazard from exhaust fumes	Do not use in enclosed spaces.					
ChemicalsHaz chemicals/DG's					Ensure adequate ventilation					
 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	A site specific risk assessment must be undertaken to determine PPE and controls.					
 24. Carry out the LIGHT survey on page 14. Is there poor visibility At the controls At the task Darkens surrounding areas Light impacts on community or sensitive natural environment during out-of-hours work 	Y			Potential hazard	A site specific risk assessment must be undertaken by client prior to operating plant					
 25. Does the plant emit RADIATION? Eg X-rays EMR Laser 		N								



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	Ν	N/ A				on Plant	Level	(Name and Date)	Date)
 26. Can operation of the plant create DUST? Explosive atmosphere Breathing hazard Reduced visibility Nuisance dust at nearby 		N								
community Impact on local flora and fauna Loss of topsoil and spread of weeds and pathogens 										
 27. Can the plant become UNSTABLE during operation? Working on uneven / unstable ground Shifting load Lack of plant support Outriggers 	Y			Potential Hazard	Adhere to max. weight capacity for plant. The weight of all people, tools and materials should be considered at all times. A site specific risk assessment must be undertaken by client onsite to determine PPE and controls					
 28. Could LOSS of LOAD occur? Failure of ropes/slings Overloading Entanglement in surrounding structures Maintenance requirements 	Y			Potential Hazard	Refer to Operator manual for pre- operational checks, maintenance & load capacity					



Potential Hazards	Hazard		-	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
	Y	Ν	N/ A				on Plant	Level	(Name and Date)	Date)
 29. Is there anything in the SURROUNDING ENVIRONMENT that may produce a hazard? Power lines Low ceiling Other plant Storage areas Co-located equipment Isolation requirements Potential 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 	Y			Potential Hazard	A site specific risk assessment must be undertaken by client to detemine controls, PPE & exclusion zones.					
 30. Can CHEMICALS create a hazard? Leaking from plant Splashing Explosion PPE considerations Spill kit considerations 	Y			Potential Hazard	Please refer to Operator Manual.					



 31. Operator TRAINING / QUALIFICATIONS? Training requirements Qualification requirements Competency assessments Documentation Operator's manual Equipment experience Product knowledge 	Y		Operation by persons who are not suitably qualified or experienced may result in injury to person, damage to property, and may also void insurance cover.	This equipment may only be moved and operated by persons who meet the following requirements: • 18 years or older. • Physically and mentally suited for this work. • Persons who have the necessary qualifications, have been instructed in the operation of this plant and who have proven their qualifications to the owner/contractor • Persons are expected to perform work reliably.			
				expected to perform work			
				 Persons who have been appointed by the contractor to operate the plant. 			
				• They are informed on and follow the legal regulations of the relevant authority.			
				All operators must completely read and			



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:
	Y	Ν	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
					understand the Operator Manual prior to operating plant.					
					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 <u>ANY OTHER</u> potential hazards generated by or during the use of this item of plant and/or any attachments?	Y			Plant Failure	Pre – Operational Inspection	D	DAILY - Operators must complete Start-up checklist Operation checklist Parking Checklist	E		

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.



NOISE REPORT Equipment Type:	Trailer mounted boom lift	Serial/Asset No.	BOON	1		
Make:	Snorkel	Model:	MHP13AT			
Test by (print):	Leigh Evans	Date:	16/6/20)		
Signature:		1				
Sound Level Meter L	Jnit Used:					
Manufactures specif	ied noise level:			80 dBA		
Background level:				dBA		
Results – Operator's	Station		dBA	High Idle		
(Equipment Operatir	ng)		dBA	Low Idle		
Comments:						
Results – Bystander	Position:					
At 7 metres from sid	e of equipment – Equ	ipment Operating (Hi	gh Idle)			
Front				dBA		
Rear				dBA		
Left				dBA		
Right				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	rkstations?	□ Yes	🗆 No	
Comments:				



COMMENTS:	