

Assessment Number: VMS 2		Assessment Date: 18/10/2023
Plant Type: Variable Message Board (VMS) Plant Make: Data Signs Plant Model: C5		Assessment Facilitated by: Leigh Evans (Admin/Accounts Manager)
Asset/Fleet/Rego No: VMS 01-14 Plant Serial No. Various		Assessment Participants: Chris Feldbauer (Director)
Plant Owner Name: Northern Hire Group		Initial Assessment
• plant o • anyone	operators e working, or in the	cklist, consider the hazards that may affect: e vicinity of, the plant cted, such as visitors, pedestrians, contractors, etc.
Is the plant designed to perform the task?	Yes N e	
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: 18/10/23 Signature:
		Date: 16/10/23 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) are required to identify workplace hazards.

Operators must take into account Job Safety Analysis when operating mobile 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

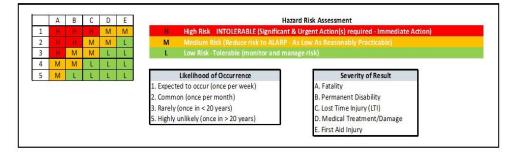
These suggested timings and tolerance levels in the Action Table will be overridden by specific policies of the company that either dictate shorter timeframes for corrective action or zero tolerance. For example, the company has a zero tolerance policy for Safety and Environmental risks.

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 user wishes to tolerate risks / opportunities of that type



Disclaimer:

TDiscelaimetazard & Risk Assessment does not eliminate the Owner/Operator responsibility to maintain the Mobile Plant as per OH & S Regulations Victoria 2017/National Standards for Plant (Noise Mobile Plant Hazard & Risk Assessment does not eliminate the Owner/Operator responsibility to maintain the Mobile Plant as per OH & S Regulations Victoria 2017/National Standards for Plant T(NOISE) sment 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 in a sie sempliar resides informational date; have noted in 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 Aktulitazamets noteretitlified in this diagram tens drocustrbe meteritied has thrial 12andays and fate 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 Plant item detailed on the cover sheet.

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

Supervisor/Operator Name:

Supervisor/Operator Name:
Supervisor/Operator Signature:

Supervisor/Operator Signature:.....

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



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)
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 due to improper use	Please refer to Safety Precautions, Operator Manual & ensure safety decals are in a clean and readable state. A site specific Risk Assessment/ & SWMS may be required Only persons with sufficient skills/experience are permitted to operate plant.	L				
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			Injury caused by contact with plant	Site specific risk assessment must be undertaken by client prior to operating plant Establish exclusion zone around work site during installation/remo val.	M				

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Potential Hazards	Hazard N/		d	Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
	Υ	Z	N/	- Describe Hazard	00		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			Injury due to contact with moving parts	Ensure all guards are in place and have clear hazard warning labels Operators to use appropriate PPE. Ensure hair, jewellry, loose clothing, etc are kept away from moving parts. Do not climb onto or from moving plant Operators are to locate emergency stops and ensure they are in working order before operation.	M				

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Potential Hazards	ı	Hazaı	rd	Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
r otomiai riazarao	Υ	N	N/ A		Controls	Garrent Nisk Level	on Plant	Level	By: (Name and Date)	(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) 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 	Y			Injury due to movement of plant	Site specific risk assessment must be undertaken by client prior to operating plant Use only on stable, level ground away from trenches, pits, etc. Create exclusion zone around work site. Ensure braking system is engaged, and/or wheel chocks in place before uncoupling from tow vehicle.	M				

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Potential Hazards	ŀ	Hazaı	ď	Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
1 otomiai mazarao	Υ	N	N/ A	50001130 Flazara	001111010	Carrone relation 2010.	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 from contact with sharp or moving parts, or dislodged debris from work area/piece	Establish exclusion zone around work site. Operator to use correct PPE.	M				
Between two moving and rotating parts Between fixed and moving parts Warning decals Guarding	Y			Injury from contact with moving parts	Enusre all guards are in place and hazards clearly labelled. Establish exclusion zone around work site. Avoid contact with moving parts Operator to use correct PPE.	L				
 7. Can ABRASION, TEARING or STRETCHING occur? Continuous contact with moving parts Warning decals Guarding Pulling/pushing 	Y			Injury from contact with moving parts	Enusre all guards are in place. Avoid contact with moving parts.	L				

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Potential Hazards	ı	Haza		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)
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 from contact with moving plant	Site specific risk assessment must be undertaken by client prior to operating plant Establish exclusion zone around work site. Operator to use correct PPE.	M				
9. Can a hazardous PRESSURE be produced? Hydraulic hoses Radiator Come into contact with fluids under high pressure		N								
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	Site specific risk assessment must be undertaken by client prior to operating plant. Warning decals should be clean and easily readable. Batteries/engine should be fitted with sturdy cover that allows for adequate ventilation.	M				

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Potential Hazards	ŀ	Haza		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)
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			Electrical Hazard	Wear applicable PPE, including eye & ear protection. Establish an exclusion zone and use screens or guarding equipment where available. Only suitably qualified NHG personnel permitted to access, maintain or repair electrical components	M				
 12. Can anyone using or near the plant SLIP, TRIP or FALL? Uneven surface Fall from a height Weather conditions Slippery surfaces 	Y			Potential Hazard – site specific	Site specific risk assessment must be undertaken by client prior to operating plant. Operators to maintain 4 points of contact (2 hand, 2 feet) while plant in operation. Appropriate PPE required, including non slip footwear.	L				

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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)
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 from repetitive or incorrect usage	Ensure regular rest breaks. Maintain 3 points of contact during access and egress	L				
14. Are there ERGONOMIC - OPERATING CONTROL hazards associated with the plant? Difficult to understand Inappropriate colouring		N								
 Function not identified Inappropriate controls & switches Access and egress Labelling of controls and indicators Variation in operators Operation by two or more persons 										

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	Υ	N	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
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			Injury to persons or damage to property from contact with electrical components	Ensure proper use of PPE. Only suitably qualified NHG personnel permitted to access, maintain or repair electrical components Site specific risk assessment must be undertaken by client prior to operating plant	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	Y			Hazard due to sudden unexpected loss of power Electrical Hazard due to tampering	Daily pre- operational inspection required. Do not operate if damage detected.	М				
stop Ability to lower suspended loads					Contact NHG for further instruction.					
17. Can anyone be SUFFOCATED? Lack of oxygen Contaminated atmosphere Confined spaces Spaces where air flow is inadequate		N			Do not operate in confined space or where air flow is inadequate					

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	Υ	N	N/ A	2000.100 1102.00			on Plant	Level	By: (Name and Date)	(Name and Date)
18. Does operation of the plant cause extreme TEMPERATURE changes?		N								
 Fire Burns through conduction Convection Cryogenic burns Operation in extreme heat or cold 										
 19. Can a FIRE occur? Friction Ingress of materials/fluids Build-up of materials/lubricants Fuels 	Y			Potential Hazard	Please refer to Safety Precautions & Operator Manual Refer to local fire & weather	L				
Fire extinguisher					warnings & restrictions					
 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 	Y			Potential Hazard – site specific	Site risk assessment must be undertaken by client prior to operating plant. Ensure operators use appropriate	L				
points					additional PPE suitable for conditions (eg. hat, sunscreen, gloves, etc.) Observe local weather warnings.					



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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?		N								
 Plant becomes unstable Causes physical problems for the operator whilst operating Vibration of equipment Operation could cause unacceptable vibration levels in nearby structures 										
22. Can the plant emit toxic FUMES or VAPOURS?		N				L				
Exhaust fumesChemicalsHaz chemicals/DG's										
23. Carry out NOISE survey on page 14. Is the plant noisy?						L				
 Emit >85 dBA at the operator Effects operator communication Noise impacts on community during out-of-hours work (including reversing beepers) 										
24. Carry out the LIGHT survey on page 14. Is there poor visibility			N/ A	Site Specific						
 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-raysEMRLaser										

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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)
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			Potential Hazard – site specific	Site risk assessment must be undertaken by client to ensure hazardous dust is not disturbed by plant/task (e.g. 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	L				
27. Can the plant become UNSTABLE during operation? Working on uneven / unstable ground Shifting load Lack of plant support Outriggers	Y			Injury from overturning plant and/or shifting load	Ensure plant is operating within the manufacturers specifications Avoid use near steep slopes, trenches & pits. Reinforce grounds and edges where required. Site specific risk assessment must be undertaken by client onsite to determine PPE and controls	L				

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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:
		Ν	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
28. Could LOSS of LOAD occur?		N								
Failure of ropes/slingsOverloading										
Entanglement in surrounding structures Maintenance requirements										
29. Is there anything in the SURROUNDING ENVIRONMENT that may produce a hazard?	Υ			Potential Hazard – site specific hazards	Site specific risk assessment must be undertaken by					
Power linesLow ceilingOther plant					client to determine controls, PPE & exclusion zones.					
 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										
30. Can CHEMICALS create a hazard?		N								
 Leaking from plant Splashing Explosion PPE considerations Spill kit considerations 										

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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:
		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				All operators must completely read and 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.	L				
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	D	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:	Variable Message Board (VMS)	Serial/Asset No.	VMS 01-13				
Make:	Data Signs	Model:	C5				
Test by (print):	Leigh Evans	Date:	18/10/23				
Signature:							
Sound Level Meter Ur	nit Used:						
Manufactures specifie	ed noise level:	>0 dBA					
Background level:		dBA					
Results - Operator's	Station	0 dBA High Idle					
(Equipment Operating	3)	0	dBA Low Idle				
Comments:							
Noise level at operator position (Start Panel) is over 80 dB(A). Hearing protection must be worn at all times within the canopy when the unit is running. Failure to comply may result in hearing damage or loss.							
Results - Bystander F	Position:						
At 7 metres from side	of equipment – Equip	ment Operating (Hig	jh 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	kstations?	□ 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: