

This form has been completed in accordance with the Hazard Management Policy/Procedure and Plant and Equipment Safety Management Policy/Procedure.

For further information please refer to the OHS Regulations Part 3 Plant

Overall risk rating
(existing controls)
highest score
eg L, M, H, VH

M

STEP 1 : ENTER INFORMATION ABOUT THE ITEM OF PLANT/EQUIPMENT, ITS LOCATION AND THE PEOPLE COMPLETING THE RISK ASSESSMENT

Plant Location:	HALLAM	Owner of Plant: S & S EQUIPMENT HIRE PTY LTD	SERIAL NO 62314 HOURS: 1.2	Date assessed: 25/8/2026	Review date: 25/8/2027 (1 yr, from RISK ASSESSMENT)
Plant: (Include name and model)	KUBOTA U17-3HG EXCAVATOR				
Purpose of Plant:	CIVIL CONSTRUCTION				
Current Photo of machine being assessed.					
REGISTRATION/LICENCES/COMPETENCIES (Refer Appendix B)		LEGISLATION			
Registration required? ☒ Yes ☐ No Licence/ Trade certificate required? ☒ Yes ☐ No Supervisor assessment required? (Induction required for this plant) ☒ Yes ☐ No Other competency required? ☒ Yes ☐ No Include in Safe Operating Procedure		OHS Legislation and/or Australian Standard to be used for further reference. OHS Regulations (2017) Divisions: ■ 1.2 OHS Responsibilities ■ 1.3 Information, Instruction, Training, Induction, Supervision ■ 2.10 Noise ■ Part 3 Plant (including) ■ 3.2.25 Plant with moving parts ■ 3.2.15 Hazard Management ■ 3.2.17 Control of risk AS 4024 - 2014 Safety of machinery AS 1788 Abrasive wheels AS 60204.1 electrical equipment for industrial machines			
RISK ASSESSMENT TEAM		Operator: HSO/Manager: HSR: Assessor: Tim Jasper Consultant: Date Assessed: 25/8/2026  Tim Jasper (Signature) (Name)			

LEGEND

- ☐ EI = Elimination
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Hazard Identified	Likelihood	Consequence	Score	Comments (ie when and where hazard is present, task/activity)	Hierarchy of control	Current Controls	Action required Y/N
Can the following items become entangled (eg in moving parts)?							
☒ Yes (e.g. Hair, Jewellery, Clothing, Cleaning aids (cloth), Gloves or Other _____ ☐ No ☐ NA	UNLIKELY	FIRST AID	MEDIUM	When in operation, pedestrians to keep clear	☒ EI ☐ Su ☐ En ☐ Is ☒ Ad ☒ PPE	Warning decals in place. Guards are installed. Engine covers are fitted. Induction.	N
Are emergency stop buttons adequate?							
☒ Yes (within easy reach and clearly marked) ☐ No ☐ Other issues _____ ☐ NA					☐ EI ☐ Su ☐ En ☐ Is ☐ Ad ☐ PPE	Customer to organise installation if any additional ones required.	N
Are there adequate fire extinguishers fitted?							
YES						Customer to organise installation if required	N
Is there a working travel alarm fitted?							
Yes.							N
Is there a working flashing beacon?							
Yes.							N

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Hazard Identified	Likelihood	Consequence	Score	Comments (ie when and where hazard is present, task/activity)	Hierarchy of control	Current Controls	Action required Y/N
Can anyone be crushed by:							
☒ Plant falling or unexpected movement of the plant eg ☒ Tipping ☒ Falling ☒ Rolling over ☒ Rolling forward ☐ The plant's load ☒ Under/between plant and a structure eg wall ☐ Inability to apply brake ☒ Falling off the plant ☒ Part of the plant collapsing/changing shape ☐ Other issues _____ ☐ No ☐ NA	UNLIKELY	MAJOR	MEDIUM	Unstable ground. Unexpected movement. Working near structures. Sudden reversing. Operator not wearing seatbelt. Working near pedestrians. Working on plant during maintenance and servicing.	☒ EI ☐ Su ☐ En ☒ Is ☒ Ad ☒ PPE	Neutral start switch fitted. Travel alarm and beacon fitted. Pedals are non-slip. Warning decals fitted. Park brake operational. Control pod operational. ROPS/FOPS structure fitted. Seatbelt fitted. Handrails fitted. SWL decals fitted. Do not lift above personnel decal fitted. Induction.	N
Can anyone be cut, stabbed or punctured, amputated by coming into contact with :							
☒ Moving plant or parts ☐ Sharp or flying objects ☒ Work pieces ejected ☐ Work pieces disintegrating ☐ Other issues _____ ☐ No ☐ NA	UNLIKELY	MAJOR	MEDIUM	Pedestrians to keep clear 30 metres. Quick hitch failure. Moving blade or bucket.	☒ EI ☐ Su ☐ En ☒ Is ☒ Ad ☒ PPE	Warning decals fitted. Quick hitch safety switch fitted. Induction.	N

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Hazard Identified	Likelihood	Consequence	Score	Comments (ie when and where hazard is present, task/activity)	Hierarchy of control	Current Controls	Action required Y/N
Can anyone be injured from an electrical shock?							
☐ Water near equipment ☒ Plant located near or in contact with exposed live electrical conductors ☒ Leads/switch in poor condition ☒ Overhead and underground wires ☐ Other issues _____ ☐ No ☐ NA	UNLIKELY	MAJOR	MEDIUM	Working near high voltage services. Inspecting battery and leads. Digging near underground services.	☐ EI ☐ Su ☒ En ☒ Is ☒ Ad ☒ PPE	Dial Before You Dig decal fitted. Look Up & Live decal fitted. Insulated electrical system. Induction.	N
Can anyone be injured by an explosion?							
☒ Gas ☐ Vapour ☐ Dust ☐ Liquid ☐ Other issues _____ ☐ No ☐ NA	UNLIKELY	MAJOR	MEDIUM	When inspecting battery. When filling with fuel	☐ EI ☐ Su ☐ En ☐ Is ☒ Ad ☒ PPE	No smoking around machine. Diesel only decal fitted. Care to be taken when inspecting battery. Induction.	N

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Hazard Identified	Likelihood	Consequence	Score	Comments (ie when and where hazard is present, task/activity)	Hierarchy of control	Current Controls	Action required Y/N
Can anyone be burnt due to friction?							
☐ Contact with moving parts or surface of the plant ☐ Material handled by the plant ☐ Other issues _____ ☒ No ☐ NA					☐ EI ☐ Su ☐ En ☐ Is ☐ Ad ☐ PPE		N
Can anyone be struck by moving objects due to:							
☒ Plant/materials being ejected ☒ Plant/material movement ☐ Other issues _____ ☐ No ☐ NA	UNLIKELY	MAJOR	MEDIUM	Load may shift, pedestrians to keep clear 30 metres. Unexpected plant movement	☐ EI ☐ Su ☒ En ☒ Is ☒ Ad ☒ PPE	Travel alarm and beacon fitted. Keep clear decals fitted. Swing area decals fitted. Induction for correct operation. ROPS/FOPS structure fitted.	N
Can anyone suffocate due to:							
☐ Lack of oxygen ☒ Atmospheric contamination ☐ Engulfment ☐ Other issues _____ ☐ No ☐ NA	RARE	MAJOR	MEDIUM	When working in confined spaces operator may be overcome by exhaust fumes.	☒ EI ☐ Su ☐ En ☐ Is ☒ Ad ☒ PPE	Training for confined spaces must be completed before undertaking this type of work. Induction.	N

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Hazard Identified	Likelihood	Consequence	Score	Comments (ie when and where hazard is present, task/activity)	Hierarchy of control	Current Controls	Action required Y/N
Can anyone be burnt due to:							
☐ High/low temperature ☐ Naked flame ☒ Steam ☐ Laser beams ☒ Other issues _____ ☐ No ☐ NA	UNLIKELY	FIRST AID	MEDIUM	When inspecting radiator. On exhaust.	☐ EI ☐ Su ☒ En ☐ Is ☒ Ad ☒ PPE	Hot coolant decal fitted. Hot exhaust decal fitted. Exhaust located out of reach of operating position, and all pedestrians to keep clear.	N
Can anyone be affected by temperature extremes?							
☒ Exposure to high temperature ☒ Exposure to low temperature ☐ Other issues _____ ☐ No ☐ NA	RARE	FIRST AID	LOW	When working in extremes of temperature.	☐ EI ☐ Su ☒ En ☐ Is ☒ Ad ☒ PPE	Sunscreen to be worn. Appropriate clothing to be worn. Induction and training.	N
Can anyone slip, trip or fall due to:							
☒ The location of the plant ☒ Uneven work surfaces ☐ Lack of safe guards (eg rails) ☒ Slippery work surfaces ☐ Other issues _____ ☐ No ☐ NA	POSSIBLE	FIRST AID	MEDIUM	When working on uneven ground. When entering and exiting plant.	☐ EI ☐ Su ☒ En ☐ Is ☒ Ad ☒ PPE	Seatbelts must be worn at all times. Maintain 3 points of contact when entering or exiting machine. Handrails fitted. Safety decals fitted. Steps to be kept clean.	N

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Hazard Identified	Likelihood	Consequence	Score	Comments (ie when and where hazard is present, task/activity)	Hierarchy of control	Current Controls	Action required Y/N
Can anyone come into contact with fluids or gases under high pressure due to:							
☐ Failure of the plant ☐ Nature of the plant ☐ Other issues _____ ☐ No ☐ NA	UNLIKELY	MAJOR	MEDIUM	Hydraulic hoses may burst. Radiator hoses may burst.	☐ EI ☐ Su ☒ En ☐ Is ☒ Ad ☒ PPE	High pressure fluid decals fitted. Hose clamps fitted. Hose covers fitted. Hoses in good condition and correct maintenance to be continued.	N
Can anyone injured due to ergonomic issues due to:							
☒ Repetitive body movement or posture ☒ Insufficient space ☐ Excessive effort (push/pull) ☐ Working at a height ☐ Seating design ☐ Poor lighting ☐ Other issues _____ ☒ No ☐ NA	POSSIBLE	FIRST AID	MEDIUM	Long periods of operation	☐ EI ☐ Su ☒ En ☐ Is ☒ Ad ☒ PPE	Ergonomic and adjustable seat fitted. Low stress controls fitted. Good lighting fitted. Control knobs easy to reach. Operator to take correct break periods.	N
Is there a current operators manual?							
Yes							N

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Hazard Identified	Likelihood	Consequence	Score	Comments (ie when and where hazard is present, task/activity)	Hierarchy of control	Current Controls	Action required Y/N
Can anyone be injured or suffer ill health from exposure to other hazards?							
☐ Chemicals ☐ Radiation ☒ Fumes ☒ Dusts ☐ Vibration ☒ Noise ☐ Toxic gases or vapours ☐ Other issues _____ ☐ No ☐ NA	UNLIKELY	MAJOR	MEDIUM	Working in confined spaces. Long periods of operation	☐ EI ☐ Su ☒ En ☐ Is ☒ Ad ☒ PPE	No excessive fumes at high idle. Falls below 85Db limit. Hearing protection decal fitted. Operator to be trained in correct safety procedure for dusty work environments.	N
Does the plant generate significant environmental hazards							
☐ Energy consumption ☐ Water consumption ☐ Hazardous waste ☐ Hazardous emissions ☐ Nuisance noise ☐ Produce ignition to the surrounding area ☐ Other issues _____ ☒ No ☐ NA					☐ EI ☐ Su ☐ En ☐ Is ☐ Ad ☐ PPE	Fitted with emissions compliant engine. Noise level below 85Db limit.	N

STEP 3 : ACTION REQUIRED BY MANAGER/SUPERVISOR/AUTHORISED PERSON

- ☒ If no actions required and residual risk is medium to very high, the activity and the hazard(s) have been transferred to the Hazard Register and communicated to the relevant personnel.

PLEASE NOTE:

: PULL PIN HITCH FITTED.

[illegible]

RISK ASSESSMENT TABLES

Likelihood Table

CATEGORY	DESCRIPTION
Almost Certain	Incident will occur at some time (0 – 1 month)
Likely	Incident could occur at some time (1 month – 1 year)
Possible	Incident is possible to occur (1 year – 2 years)
Unlikely	Incident is possible, but unlikely to occur (2 years – 5 years)
Rare	Cannot imagine that this could occur (over 5 years)

Consequences Table

CATEGORY	DESCRIPTION
Minor	Effects unlikely to last until the next day.
First Aid	Likely to affect employee the next day.
Major	Medical Treatment injury needs formal medical treatment
Critical	Injury requiring extensive medical treatment and/or hospitalization
Catastrophic	Injury resulting in death or permanent incapacity

Risk Score Calculator

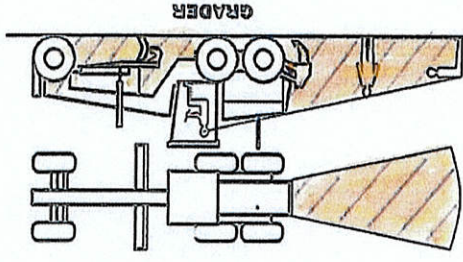
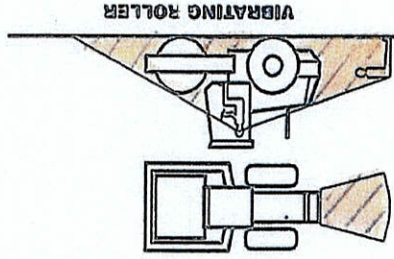
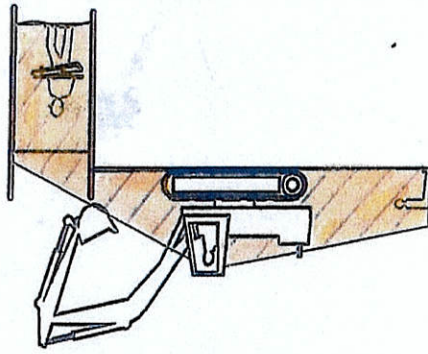
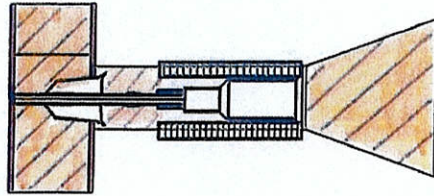
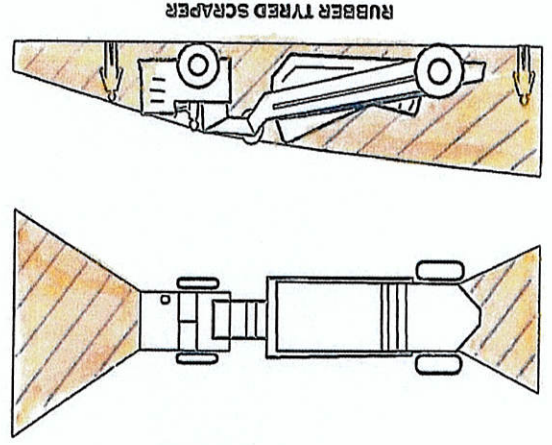
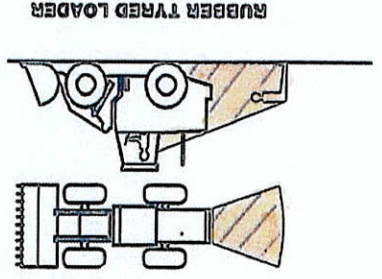
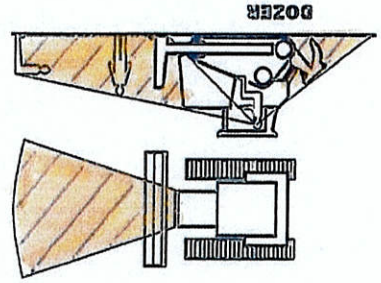
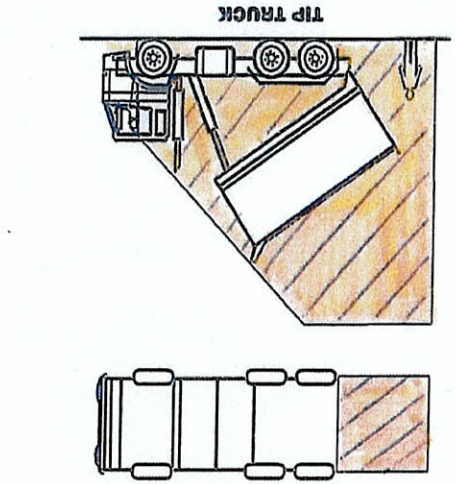
Likelihood	Minor	First Aid	Major	Critical	Catastrophic
Almost certain	Medium	High	High	Very High	Very High
Likely	Medium	Medium	High	High	Very High
Possible	Low	Medium	High	High	High
Unlikely	Low	Low	Medium	Medium	High
Rare	Low	Low	Medium	Medium	High

Risk Priority Table

Descriptor	Priority	Action
Very High	1	Immediate action required. The activity should cease immediately and short term safety controls implemented. Notify Manager and assess activity.
High	2	Implement short term safety controls immediately. Notify Manager and assess activity.
Medium	3	Short term safety controls implemented to minimise risk of injury. Notify Manager and assess activity. Corrective Actions within one month.
Low	4	Notify Manager and assess activity. Corrective Actions within three months (if possible).

Safety around operating plant

Machines have blind spots where operators may not see people or objects nearby.
The following diagrams illustrate typical examples of blind spots for some common mobile plant.



BLIND SPOTS