

Occupational Health and Safety

PLANT RISK ASSESSMENT

Plant Description:	CAT 325/329/330		Assessment No:	PRA-01
Prepared by: Date:	Greg Fieldwick 05/09/2025	Approved by: Date:	Steven Fieldwick 05/09/2025	

Reference Documents:

Fieldwicks SW101 Excavator Operations
Fieldwicks Employee Induction Handbook
Manufacturers Maintenance Manual
Manufacturers Operating Manual

Note : Refer to the Risk Matrix set out in OH&SP No. 004 for calculation of risk level

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
<p>Entanglement: <i>Hair, clothing, gloves, or other materials becoming entangled with moving parts of the plant</i></p> <p>Crushing: <i>Uncontrolled or unexpected movement of the plant</i></p> <p>Cutting, Stabbing, Puncturing: <i>Contact with moving parts of machine, sharp objects</i></p> <p>Shearing: <i>Body parts sheared between two parts of the machine or other structures</i></p> <p>Striking: <i>During operation of plant, moving parts of plant, movement of plant</i></p>	<p>16</p>	<ul style="list-style-type: none"> • Licensed and Competent Operators • No unauthorised personnel allowed at the controls of the machine • Fieldwicks SWP101 to be read and understood by all operators • Machine guarding in place and checked on a daily basis as part of start up procedures • No person permitted to be inside the operating radius of a machine unless they are authorised and has made contact with the operator • All obstacles that may be in the path of a machine are removed before work commences • Daily plant inspections before the beginning of a shift are used to identify any potential machine issues that may exist • Isolation Procedures are undertaken before any maintenance activity • Machine fitted with movement alarm • Driver only permitted in cab during operation 	<p>2</p>

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
		<ul style="list-style-type: none"> • Warning decals on machine highlighting pinch points / close clearance • Machine controls have their functions labelled • Machines fitted with pattern changes have warning signage to advise operator to check before moving • Machine fitted with warning lights • Machine fitted with rear view mirrors • All obstacles that may be in the path of a machine are removed before work commences • Machine booms, attachments etc are always lowered to the ground before any attempt to repair or inspect them • Daily plant inspections before the beginning of a shift are used to identify any potential machine issues that may exist • Regular job briefing take place between all relevant stakeholders when machine is operating • Lockable cab to prevent unauthorised access • Machine fitted with Spot lights for working in low of no natural light 	

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
<p>High Pressure Fluid:</p> <p>Contact with high pressure fluids during operation or maintenance</p>	<p>16</p>	<ul style="list-style-type: none"> • Licensed and Competent Operators • No unauthorised personnel allowed at the controls of the machine • Operator Manual Located in Cab of Machine at all times • Machine controls have their functions labelled • Machines fitted with pattern changes have warning signage to advise operator to check before moving • Machine booms, attachments etc are always lowered to the ground before any attempt to repair or inspect them • Daily pant inspections before the beginning of a shift are used to identify any potential machine issues that may exist • All fluid lines are relieved on any pressure before they are disconnected and/or repaired • Isolation Procedures are undertaken before any maintenance activity • Regular job briefing take place between all relevant stakeholders when machine is operating • Lockable cab to prevent unauthorised access • Driver only permitted in cab during operation 	<p>2</p>

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
<p>Electrical:</p> <p><i>Contact with live electrical conductors during operation, overload of electrical circuits, electrical leads and cables</i></p>	<p>23</p>	<ul style="list-style-type: none"> • Licensed and Competent Operators • No unauthorised personnel allowed at the controls of the machine • Fieldwicks SWP101 to be read and understood by all operators • Operator Manual Located in Cab of Machine at all times • All obstacles that may be in the path of a machine are removed before work commences • Machine booms, attachments etc are always lowered to the ground before any attempt to repair or inspect them • Daily pant inspections before the beginning of a shift are used to identify any potential machine issues that may exist • Isolation Procedures are undertaken before any maintenance activity • Machine is fitted with circuit breakers and fuses • Warning signage inside machine to warn of contact with overhead powerlines • Machine fitted with movement alarm • Machine fitted with UHF Radio • Machine fitted with Spot lights for working in low of no natural light • Machine fitted with rear view mirrors 	<p>11</p>

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
<p>Explosion: <i>Explosion of onboard fuel supply or other substances</i></p>	<p>16</p>	<ul style="list-style-type: none"> • Operator Manual Located in Cab of Machine at all times • All obstacles that may be in the path of a machine are removed before work commences • Daily plant inspections before the beginning of a shift are used to identify any potential machine issues that may exist • All fluid lines are relieved on any pressure before they are disconnected and/or repaired • Isolation Procedures are undertaken before any maintenance activity • Machine is fitted with circuit breakers and fuses • Regular job briefing take place between all relevant stakeholders when machine is operating 	<p>11</p>

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
<p>Slipping, Tripping, Falling:</p> <p><i>Uneven or slippery surfaces, poor housekeeping, other obstacles, poor access and egress, lack of handrails</i></p>	<p>17</p>	<ul style="list-style-type: none"> • Licensed and Competent Operators • No unauthorised personnel allowed at the controls of the machine • Fieldwicks SWP101 to be read and understood by all operators • Operator Manual Located in Cab of Machine at all times • Machine booms, attachments etc are always lowered to the ground before any attempt to repair or inspect them • Daily plant inspections before the beginning of a shift are used to identify any potential machine issues that may exist • Isolation Procedures are undertaken before any maintenance activity • Handrails in place to allow for safe access and egress • All personnel accessing and greasing machine must always maintain a 3 point contact • Slip resistant ladder rails and foot wells are fitted • Machine fitted with Spot lights for working in low of no natural light 	<p>5</p>

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
<p>Ergonomic:</p> <p><i>Seating, repetitive body movements, inadequate lighting, poor vision from normal operating position</i></p>	<p>13</p>	<ul style="list-style-type: none"> • Licensed and Competent Operators • Handrails in place to allow for safe access and egress • All personnel accessing and greasing machine must always maintain a 3 point contact • Slip resistant ladder rails and foot wells are fitted • Machine is fitted with a seat belt and warning signage • Machine fitted with movement alarm • Machine fitted with warning lights • Machine fitted with UHF Radio • Machine fitted with Spot lights for working in low of no natural light • Ergonomically designed , fully adjustable operator seat in stalled • Machine fitted with rear view mirrors • Lockable cab to prevent unauthorised access • Windscreen wipers fitted • Driver only permitted in cab during operation 	<p>5</p>

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
<p>Suffocation:</p> <p><i>Exhaust Gases, atmospheric contamination, other fume sources</i></p>	<p>16</p>	<ul style="list-style-type: none"> • Licensed and Competent Operators • No unauthorised personnel allowed at the controls of the machine • Fieldwicks SWP101 to be read and understood by all operators • Operator Manual Located in Cab of Machine at all times • Daily plant inspections before the beginning of a shift are used to identify any potential machine issues that may exist • All fluid lines are relieved on any pressure before they are disconnected and/or repaired • Isolation Procedures are undertaken before any maintenance activity 	<p>2</p>

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
<p>High Temperature:</p> <p><i>Engine or exhausts, fluids or other exposure to high temperatures</i></p>	<p>16</p>	<ul style="list-style-type: none"> • Licensed and Competent Operators • No unauthorised personnel allowed at the controls of the machine • Fieldwicks SWP101 to be read and understood by all operators • Operator Manual Located in Cab of Machine at all times • Daily plant inspections before the beginning of a shift are used to identify any potential machine issues that may exist • Isolation Procedures are undertaken before any maintenance activity 	<p>5</p>

Plant Specific Control Measures	Control Measure Description

Note : Refer to the Risk Matrix set out in OH&SP No. 004 for calculation of risk level