



Occupational Health and Safety

PLANT RISK ASSESSMENT

Plant Description:	John Deere 824L Loader	Plant ID:	P282	Assessment No:	PRA-17
Prepared by: Date:	Melissa Kirkcaldy 25/11/2025	Approved by: Date:	Greg Fieldwick 3/12/2025		

Reference Documents:

Fieldwicks SW106 Loader 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: Hair, clothing, gloves, or other materials becoming entangled with moving parts of the plant</p>	16	<ul style="list-style-type: none"> • Licensed and Competent Operators • No unauthorised personnel allowed at the controls of the machine • Fieldwicks SWP106 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 in close proximity to the operating area of the machine unless authorised and has made contact with the operator • All obstacles that may be in the path of a machine are removed before work commences • 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 • Only authorised operator permitted in cab during operation 	2

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
<p>Crushing: <i>Uncontrolled or unexpected movement of the plant</i></p>	16	<ul style="list-style-type: none"> • Licensed and Competent Operators • No unauthorised personnel allowed at the controls of the machine • Fieldwicks SWP106 to be read and understood by all operators • Operator Manual Located in Cab of Machine at all times • Warning decals on machine highlighting pinch points / close clearance • Machine controls have their functions labelled • No person permitted to be in close proximity to the operating area of the machine unless authorised and has made contact with the operator • Isolation Procedures are undertaken before any maintenance activity • Machine fitted with movement alarm • Machine fitted with warning lights • Machine fitted with rear view mirrors • Machine is fitted with a horn • Machine is fitted with a park brake 	2

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
<p>Cutting, Stabbing, Puncturing: Contact with moving parts of machine, sharp objects</p>	16	<ul style="list-style-type: none"> • Licensed and Competent Operators • No unauthorised personnel allowed at the controls of the machine • Fieldwicks SWP106 to be read and understood by all operators • Operator Manual Located in Cab of Machine at all times • Machine controls have their functions labelled • All obstacles that may be in the path of a machine are removed before work commences • Machine bucket, attachments etc are always lowered to the ground before any attempt to repair or inspect them • 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 • Regular job briefing take place between all relevant stakeholders when machine is operating 	2

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
<p>Shearing: <i>Body parts sheared between two parts of the machine or other structures</i></p>	16	<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 • Warning decals on machine highlighting pinch points / close clearance • Machine controls have their functions labelled • No person permitted to be in close proximity to the operating area of the machine unless authorised and has made contact with the operator • Isolation Procedures are undertaken before any maintenance activity • Machine fitted with movement alarm • Machine fitted with warning lights • Lockable cab to prevent unauthorised access • Only authorised operator permitted in cab during operation 	2

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
<p>Striking:</p> <p><i>During operation of plant, moving parts of plant, movement of plant</i></p>	16	<ul style="list-style-type: none"> • Licensed and Competent Operators • No unauthorised personnel allowed at the controls of the machine • 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 • No person permitted to be in close proximity to the operating area of the machine unless authorised and has made contact with the operator • All obstacles that may be in the path of a machine are removed before work commences • Regular job briefing take place between all relevant stakeholders when machine is operating • Machine fitted with movement alarm • Machine fitted with horn • Machine fitted with warning lights • Machine fitted with spot lights for working in low or no natural light • Machine fitted with rear view mirrors 	2

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
<p>High Pressure Fluid: Contact with high pressure fluids during operation or maintenance</p>	16	<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 • Machine buckets, attachments etc are always lowered to the ground before any attempt to repair or inspect them • 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 • Regular job briefing take place between all relevant stakeholders when machine is operating • Lockable cab to prevent unauthorised access • Only authorised operator permitted in cab during operation 	2

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
<p>Electrical:</p> <p>Contact with live electrical conductors during operation, overload of electrical circuits, electrical leads and cables</p>	23	<ul style="list-style-type: none"> • Licensed and Competent Operators • No unauthorised personnel allowed at the controls of the machine • Fieldwicks SWP106 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 • 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 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 or no natural light • Machine fitted with rear view mirrors • Machine fitted with fire extinguisher 	11
<p>Explosion:</p> <p>Explosion of onboard fuel supply or other substances</p>	16	<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 	11

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
		<ul style="list-style-type: none"> 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 Machine fitted with fire extinguisher 	
<p>Slipping, Tripping, Falling:</p> <p>Uneven or slippery surfaces, poor housekeeping, other obstacles, poor access and egress, lack of handrails</p>	17	<ul style="list-style-type: none"> Licensed and Competent Operators No unauthorised personnel allowed at the controls of the machine Fieldwicks SWP106 to be read and understood by all operators Operator Manual Located in cab of Machine at all times Machine bucket, attachments etc are always lowered to the ground before any attempt to repair or inspect them 	5

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
		<ul style="list-style-type: none"> 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 egressing 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 or no natural light 	
<p>Ergonomic:</p> <p><i>Seating, repetitive body movements, inadequate lighting, poor vision from normal operating position</i></p>	13	<ul style="list-style-type: none"> Licensed and Competent Operators Handrails in place to allow for safe access and egress All personnel accessing and egressing 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 	5

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
		<ul style="list-style-type: none"> Machine fitted with UHF Radio Machine fitted with spot lights for working in low or no natural light Ergonomically designed, fully adjustable operator seat installed Machine fitted with rear view mirrors Lockable cab to prevent unauthorised access Windscreen wipers fitted Only authorised operator permitted in cab during operation 	
Suffocation: <i>Exhaust Gases, atmospheric contamination, other fume sources</i>	16	<ul style="list-style-type: none"> Licensed and Competent Operators No unauthorised personnel allowed at the controls of the machine Fieldwicks SWP106 to be read and understood by all operators Operator Manual Located in cab of machine at all times Plant inspections before the beginning of a shift are used to identify any potential machine issues that may exist 	2

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
		<ul style="list-style-type: none"> • All fluid lines are relieved on any pressure before they are disconnected and/or repaired • Isolation Procedures are undertaken before any maintenance activity 	
<p>High Temperature:</p> <p>Engine or exhausts, fluids or other exposure to high temperatures</p>	16	<ul style="list-style-type: none"> • Licensed and Competent Operators • No unauthorised personnel allowed at the controls of the machine • Fieldwicks SWP106 to be read and understood by all operators • Operator Manual Located in cab of machine at all times • 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 air conditioner • Machine fitted with fire extinguisher 	5

Plant Specific Control Measures	Control Measure Description
Falling Objects Protection System (FOPS)	Gives added protection to the operator and cab

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