

Occupational Health and Safety

PLANT RISK ASSESSMENT

Plant Description:	Slow Speed Shredder	Assessment No:	PRA-23
Prepared by: Date:	Melissa Kirkcaldy 24/09/2025	Approved by: Date:	Greg Fieldwick 24/09/2025

Reference Documents:

Fieldwicks SW112 Grinder 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:</p> <p><i>Hair, clothing, gloves, or other materials becoming entangled with moving parts of the plant</i></p>	20	<ul style="list-style-type: none"> Licensed and Competent Operators No unauthorised personnel allowed at the controls of the machine Fieldwicks SWP112 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 moving belts, rollers, roller mounts. Personnel to wear correctly fitted clothing and PPE Emergency stop buttons fitted 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 Use of remote control or umbilical cord to move machine Warning decals in place 	8

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
<p>Crushing:</p> <p><i>Uncontrolled or unexpected movement of the plant</i></p>	20	<ul style="list-style-type: none"> • Licensed and Competent Operators • No unauthorised personnel allowed at the controls of the machine • Fieldwicks SWP112 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 moving belts, rollers, roller mounts. • Personnel to wear correctly fitted clothing and PPE • Emergency stop buttons fitted • 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 • Warning decals in place • Use of remote control or umbilical cord to move machine 	8

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
<p>Cutting, Stabbing, Puncturing:</p> <p><i>Contact with moving parts of machine, sharp objects</i></p>	20	<ul style="list-style-type: none"> • Licensed and Competent Operators • No unauthorised personnel allowed at the controls of the machine • Fieldwicks SWP112 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 moving belts, rollers, roller mounts. • Personnel to wear correctly fitted clothing and PPE • Emergency stop buttons fitted • 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 • Use of remote control or umbilical cord to move machine 	8

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
<p>Shearing:</p> <p><i>Body parts sheared between two parts of the machine or other structures</i></p>	16	<ul style="list-style-type: none"> • All persons to stand clear when lowering and raising dirt conveyor • Licensed and Competent Operators • No unauthorised personnel allowed at the controls of the machine • Fieldwicks SWP112 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 moving belts, rollers, roller mounts. • Personnel to wear correctly fitted clothing and PPE • Emergency stop buttons fitted • 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 • Use of remote control or umbilical cord to move machine 	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 • Fieldwicks SWP112 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 moving belts, rollers, roller mounts. • Personnel to wear correctly fitted clothing and PPE • Emergency stop buttons fitted • 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 • Use of remote control or umbilical cord to move machine • Warning decals in place 	2

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
<p>High Pressure Fluid:</p> <p><i>Contact with high pressure fluids during operation or maintenance</i></p>	16	<ul style="list-style-type: none"> • Licensed and Competent Operators • No unauthorised personnel allowed at the controls of the machine or to carry out maintenance • Fieldwicks SWP112 to be read and understood by all operators • Check leaks with cardboard not hands • High pressure warning decals in place • Auto-greasing system fitted • Personnel to wear correctly fitted clothing and PPE • Emergency stop buttons fitted • Daily plant inspections before the beginning of a shift are used to identify any potential oil leaks that may exist • Isolation Procedures are undertaken before any maintenance activity • Warning decals in place 	2
<p>Electrical:</p> <p><i>Contact with live electrical conductors during operation, overload of electrical circuits, electrical leads and cables</i></p>	23	<ul style="list-style-type: none"> • Licensed and Competent Operators • No unauthorised personnel allowed at the controls of the machine or to carry out maintenance 	11

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
		<ul style="list-style-type: none"> Fieldwicks and SWP112 to be read and understood by all operators Operator Manual Located on Machine at all times Daily plant inspections before the beginning of a shift are used to identify any potential machine issues that may exist Machine fitted with battery isolator Isolation Procedures are undertaken before any maintenance activity Machine is fitted with circuit breakers and fuses JSA to assess risks from onsite electricity Warning decals in place 	
Explosion: <i>Explosion of onboard fuel supply or other substances</i>	16	<ul style="list-style-type: none"> Operator Manual Located on 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 	11

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
		maintenance activity <ul style="list-style-type: none"> Machine is fitted with circuit breakers and fuses Fieldwicks and SWP112 to be read and understood by all operators Warning decals in place 	
Slipping, Tripping, Falling: <i>Uneven or slippery surfaces, poor housekeeping, other obstacles, poor access and egress, lack of handrails</i>	17	<ul style="list-style-type: none"> Licensed and Competent Operators No unauthorised personnel allowed at the controls of the machine or to carry out maintenance Fieldwicks and SWP112 to be read and understood by all operators Operator Manual Located on 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 Handrails and ladders in place and kept free from debris to allow for safe access and egress All personnel accessing and egressing machine must always maintain a 3-point contact 	5

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
		<ul style="list-style-type: none"> Operators to move over and around machine in a careful and calm manner Operators to take particular care moving around machine when wet. Any work carried out above 1.5m must be on an approved platform Warning decals in place 	
Ergonomic: <i>Repetitive body movements, inadequate lighting, poor vision from normal operating position</i>	13	<ul style="list-style-type: none"> Licensed and Competent Operators Use Handrails and platforms provided for safe access and egress All personnel accessing and egressing machine must always maintain a 3-point contact Provide additional lighting if operating during night time. Machine fitted with UHF Radio 	5
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 and SWP112 to be read and understood by all operators Operator Manual Located on Machine at all times 	2

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
		<ul style="list-style-type: none"> Daily plant inspections before the beginning of a shift are used to identify any potential machine issues that may exist Machines not to be operated within an enclosed building without appropriate venting Engine fumes not excessive at high idle 	
High Temperature: <i>Engine or exhausts, fluids or other exposure to high temperatures</i>	16	<ul style="list-style-type: none"> Licensed and Competent Operators No unauthorised personnel allowed at the controls of the machine Fieldwicks and SWP112 to be read and understood by all operators Operator Manual Located on 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 Machine fluids allowed to cool prior to maintenance works being carried out. Engine unit covers to be kept in place during operation Appropriate PPE gear to be worn 	5

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
		<ul style="list-style-type: none"> Machine fitted with fire extinguisher Warning decals in place 	
<i>Falling / Moving objects</i>	20	<ul style="list-style-type: none"> Licensed and Competent Operators Appropriate PPE gear worn All personnel to keep clear of operating plant unless necessary When close to operating plant remain vigilant and do not turn back to machine 	8
<i>Noise</i>	20	<ul style="list-style-type: none"> Licensed and Competent Operators No unauthorised personnel allowed at the controls of the machine Fieldwicks and SWP112 to be read and understood by all operators Operator Manual Located on Machine at all times Warning decals in place 	10

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