

Occupational Health and Safety

PLANT RISK ASSESSMENT

Plant Description:	Powerscreen 1400	Assessment No:	PRA-04
Prepared by: Date:	Greg Fieldwick 11/02/2026	Approved by: Date:	Steven Fieldwick 11/02/2026

Reference Documents:

Fieldwicks SW105 Powerscreen Operations
Fieldwicks SW109 Screen Change 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>	<p>20</p>	<ul style="list-style-type: none"> • Licensed and Competent Operators • No unauthorised personnel allowed at the controls of the machine • Fieldwicks SWP105, SWP109 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. (i.e trying to complete repairs with the machine running) • 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 	<p>8</p>

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
<p>Crushing: <i>Uncontrolled or unexpected movement of the plant</i></p>	<p>20</p>	<ul style="list-style-type: none"> • Licensed and Competent Operators • No unauthorised personnel allowed at the controls of the machine • Fieldwicks SWP105, SWP109 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 <p>Use of remote control or umbilical cord to move machine</p>	<p>8</p>

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
<p>Cutting, Stabbing, Puncturing:</p> <p>Contact with moving parts of machine, sharp objects</p>	<p>20</p>	<ul style="list-style-type: none"> • Licensed and Competent Operators • No unauthorised personnel allowed at the controls of the machine • Fieldwicks SWP105, SWP109 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 	<p>8</p>

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>	<p>16</p>	<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 SWP105, SWP109 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 	<p>2</p>

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
		machine	
<p>Striking:</p> <p><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 SWP105, SWP109 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 	<p>2</p>

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 or to carry out maintenance • Fieldwicks SWP105, SWP109 to be read and understood by all operators • Check leaks with cardboard not hands • 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 	<p>2</p>
<p>Electrical:</p> <p>Contact with live electrical conductors during operation, overload of electrical circuits, electrical leads and cables</p>	<p>23</p>	<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 SWP105, SWP109 to be read and understood by all operators 	<p>11</p>

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
		<ul style="list-style-type: none"> • 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 is fitted with circuit breakers and fuses • JSA to assess risks from on site electricity 	
<p>Explosion: <i>Explosion of onboard fuel supply or other substances</i></p>	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 maintenance activity • Machine is fitted with circuit breakers and fuses • Fieldwicks SWP105, SWP109 to be read and understood by all operators 	11

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 or to carry out maintenance • Fieldwicks SWP105, SWP109 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 to allow for safe access and egress • All personnel accessing and egressing machine must always maintain a 3 point contact • 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 	<p>5</p>

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
<p>Ergonomic:</p> <p><i>Repetitive body movements, inadequate lighting, poor vision from normal operating position</i></p>	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 exiting machine must always maintain a 3 point contact • Provide additional lighting if operating during night time. 	5
<p>Suffocation:</p> <p><i>Exhaust Gases, atmospheric contamination, other fume sources</i></p>	16	<ul style="list-style-type: none"> • Licensed and Competent Operators • No unauthorised personnel allowed at the controls of the machine • Fieldwicks SWP105, SWP109 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 • Machines not to be operated within an enclosed building without appropriate venting 	2

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 SWP105, SWP109 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 	<p>5</p>
		<ul style="list-style-type: none"> • Licensed and Competent Operators 	

Hazards/Risk Factors	Uncontrolled Risk Score	Control Measures	Controlled Risk Score
<i>Falling / Moving objects</i>	20	<ul style="list-style-type: none"> • 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

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