

Cylindrical Grinder   SAFE WORK METHOD STATEMENT (SWMS)											
TASK OR ACTIVITY: Cylindrical Grinder											
Business Name: [Company Name]		ABN: [ABN]	SWMS#								
Business Address: [Company Address]											
Contact Person:	Phone: [Phone]	E gil:									
THIS SAFE WORK METHOD	STATEMENT IS APPROVED BY	THE PL OF THE PROJECT									
Under the Work Health and Safety Regulation (WHS Regulation), a person conducte proposed work starts.	cting a business or undertaking (H BU) is	required to ture tat a safe work method s	tatement (SWMS) is prepared before								
Full Name:											
Signature:		Title:	Date:								
Details of the person(s) responsible for ensuring implementation, monitoring	compliance of the SWMS well as review	s and modifications of the SWMS.									
Full Name:		Title:	Phone:								
ALL PERSONNEL PARTICIPATING IN ANY ACTIVITY ON THIS WMS. ST HAVE THE FOLLOWING COMMUNICATED	N. 1E AND DATED SIGNATURE OF A CO. MUNICATED TO IN THE DEVELO	LL RELEVANT PERSONNEL WHO HAVE B OPMENT AND APPROVAL OF THIS SWMS	EEN CONSULTED AND								
Safety meetings or toolbox talks will be sched ed in accordance with egislative requirements to first identify any site hazards, conduct or unical those hazards and then to further take steps to either conduct or control eacy hazard.	NAME	SIGNATURE	DATE								
If an incident or a near miss occurs, all work must successful unately. Depending on the severity of the incident, a meeting will be called with all workers to amend the SWMS if required. The meeting may also be an educational opportunity.											
Any changes made to the SWMS after an incident or a near miss must be approved by the Person Conducting Business or Undertaking and communicated to all relevant personnel.											
The SWMS must be kept and be available for inspection at least until the work is completed. Where a SWMS is revised, all versions should be kept. If a notifiable incident occurs in relation to which the SWMS relates, then the SWMS must be kept for at least two years from the occurrence of the notifiable incident.											



		C	LIENT OR PRINCIPAL	CONTRACTOR DE	TAILS				
Client:					SCOPE OF WORKS				
Project Name:					Provide a detailed description of the specific work being carried out (otherwis				
Project Address:				ŀ	known as cope of works).				
Project Manager	:								
Contact Phone:									
Project Manager	Signature:								
Date SWMS sup	plied to Project Manag	er:							
		ANY HIG	H-RISK CON TUCT		ARRIED OUT				
involves a risk of	a person falling more than	2 meters.		is carried out on of	near pressurised gas main	s or piping.			
is carried out on	a telecommunication tower			☐ is carried out on or near chemical, fuel or refrigerant lines.					
involves demoliti	on of an element of a struct	ure that is load-be		is carried out on or	is carried out on or near energised electrical installations or services.				
involves demoliti	on of an element related to	the physical integrit of a st	ir e,	☐ is carried out in an area that may have a contaminated or flammable atmosphere.					
involves, or is like	ely to involve, disturbing a	estos.		involves tilt-up or precast concrete.					
involves structura	al alteration or repair that re	mporan upp to	prevent collapse.	is carried out on, in or adjacent to a road, railway, shipping lane or other traffic corridor.					
☐ is carried out in c	or near a confined space.			is carried out in an area of a workplace where there is any movement of powered mobile plant.					
☐ is carried out in/r	near a shaft or trench deepe	er than 1.5m or tunnel involv	ving use of explosives.	is carried out in areas with artificial extremes of temperature.					
☐ is carried out in c	or near water or other liquid	that involves a risk of drown	ning.	involves diving wo	rk.				
		ANY	HIGH-RISK MACHINE	RY OR EQUIPMENT	NEARBY				
Forklift	Crane/s	☐ Hoist/s	Excavator	Backhoe/Loader	Boom Lift	EWP	Genie Lift		
Trencher	Drilling Rig	Trucks		Bobcat	E Flammable Gas	Fuel	Dozer		
High Voltage	Mulcher	Tilt-up Panels	Roller	Scissor Lift	Tractor	Other -			







JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR	RESPONSIBLE PERSON
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK	NAME OF PERSON
1. Preparation	Slips, trips, and falls, PPE inadequacy	2M	<ul> <li>Ensure the workspace is tidy and free of clutter, cables, or any other obstacles that might cause slips, trips, or falls.</li> <li>Conduct a risk assessment before starting the usk to identify potential hazards and implement appropriate control measures.</li> <li>Clearly mark any areas where there may be n increased risk of slips, trips or falls, such as wet surfaces or uneven flooring.</li> <li>Provide appropriate Person Protective Equipment (PPE) moding safety footwear with slip-resistant sone safety glasses, gives are hearing protection, and ensure all workers are the one proper use and heartenance.</li> <li>Make sure and date light is available in the orkspace, allowing workers to clearly see the surrounding and identify bounds.</li> <li>Trainorkers is how safely move newly or awkward objects, such as a grinder, using the remained of the reduce foot fatigue and enhance overall stability.</li> <li>Utilise and stigue at so on on-slip floor coverings in areas where workers will be standing for unevended to reduce foot fatigue and enhance overall stability.</li> <li>Inplement how keeping procedures to maintain cleanliness and orderliness in the work and promyny addressing any hazards such as spills or debris that could contribute usings, trips, or falls.</li> <li>Regularly inspect and maintain the cylindrical grinder, ensuring that all required safety features, such as emergency stops or guards, are present and functioning correctly.</li> <li>Encourage a safety culture amongst workers by promoting open communication about workplace hazards, providing ongoing training, and recognizing those who demonstrate safe work practices.</li> <li>Monitor and evaluate the effectiveness of implemented control measures regularly, making adjustments as needed to ensure ongoing improvement in eliminating risks associated with slips, trips, and falls, and PPE inadequacy.</li> </ul>	1L	
2. Machine Inspection	Electrical hazards, Inadequate guarding	ЗН	<ul> <li>Regular maintenance and inspection: Schedule and conduct regular maintenance and inspection of the cylindrical grinder to identify any potential electrical hazards or damaged guarding.</li> <li>Insulation and grounding: Ensure proper insulation and grounding of electrical connections, plugs, and sockets to prevent electric shocks and short circuits.</li> <li>Proper machine installation: Install the cylindrical grinder in accordance with manufacturer guidelines so that it is secure and stable, minimising the risk of vibration or movement affecting the integrity of the guarding.</li> </ul>	2M	



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			- Adequate guarding: Ensure all moving parts, including the grinding wheel and other rotating components, are adequately guarded according to the manufacturer's recommendations and local safety regulations.		
			- Interlocking mechanisms: Install interlocking to ces for the guarding, preventing the machine from starting if the guards are to correctly in place.		
			<ul> <li>Emergency Stop button: Fit an easily acces be apprearly marked Emergency Stop button on the machine, allowing operator, an ackly shut it down in case of any unforeseen issues or hazards</li> <li>Lockout/Tagout procedures: collement a lockout/courte ocedure to ensure the machine is isolated for a power source during many planet, repair, or any other operation that processory orkers opotential electrical hazards.</li> </ul>		
			- Staff training Provide oncong train, for a conthe proper use and maintenance of the cylindric prinder phasising aportance of inspecting and servicing the machine egular		
			- Personal protection Equipment (PPE): Mandate the use of appropriate PPE for worker may sting on the erating the machine, such as safety glasses, gloves, and hearing rote on.		
			n-coll act same devices: Consider installing non-contact safety devices like light currence presence-sensing safety devices to detect if someone enters the azardon one around the machine and immediately stop its operation.		
			- rident reporting: Encourage employees to promptly report any instances where guarding is found to be inadequate or compromised, or any other safety concerns, so that corrective measures can be taken immediately.		
	5		<ul> <li>Proper Training: Ensure that all operators working with the cylindrical grinder receive comprehensive training, covering the safe clamping technique, machine operation and potential hazards related to entanglement or collision.</li> </ul>		
			<ul> <li>Clear Communication: Establish clear communication protocols between machine operators, coworkers, and supervisors in the work area to avoid misunderstandings that could lead to accidents.</li> </ul>		
3. Clamping Workpiece	Entanglement, Collision with moving parts	3H	- Pre-start Inspection: Conduct a thorough pre-start inspection of the cylindrical grinder and the workpiece before beginning any operations, ensuring all parts are in proper working condition.	1L	
			<ul> <li>Remove Loose items: Make sure workers remove any loose clothing, jewellery, or accessories which may get entangled with the moving part of the cylindrical grinder during the clamping process.</li> </ul>		
			- Use Proper PPE: Provide and mandate the use of appropriate Personal Protective Equipment (PPE) such as gloves, eye protection, and safety footwear for workers handling the clamping process.		
			- Guarding: Make certain all guards are installed correctly and secure around hazardous moving parts to prevent collisions or accidental contact.		



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			- Implement Safe Work Procedures: Develop written safe work procedures detailing the correct way to securely clamp workpieces without risking entanglement or collision with moving parts.		
			- Regular Maintenance & Inspection: Schedule and a maintenance and inspections on the cylindrical grinder to ensure clamps and other machinery components are in good working condition.		
			<ul> <li>Limit Access to Authorised Personnel Only: For exaccess around the cylindrical grinder to only those individuals who have been a fined and arouthorised to operate the machine, reducin the risk of accident, aused an authorised personnel.</li> <li>Shutdown Processare: Escaplish a rocedure for thutting down the grinder in the event of an energency to prevent includents intro angle entanglement or contact with moving parts.</li> </ul>		
			<ul> <li>Signers Displement of the indrical grinder, including warnings about potential workpublic on the indrical grinder, including warnings about potential entang multissions.</li> <li>Period Audie and Neliews: Organise regular audit and review of equipment, sociedue s, and employee compliance to ensure best practices are being followed an obst potential azards are adequately addressed.</li> </ul>		
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4. Wheel Dressing	Wheel breakage, Sparks, flying debris	ЗН		2M	

Version 2.5



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5. Setting Grinding Parameters	Unexpected machine stars incores	2М		1L	



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6. Grinding Operation	Noise, Vibration, Heat generation	2M		1L	



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7. Clean & Cool Workpiece	Contact with hot surfaces, Chemical burn from coolant	2M		1L	



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8. Unclamping Workpiece	Dropped objects, Sharp edges	2М		1L	

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9. Quality Inspection	Eye strain, Hand-arm vibration syndrome	2M		1L	



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JOB STEP SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	IR INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK	PERSON NAME OF PERSON
10. Machine Cleaning	Exposure to dust, Respiratory irritants	2M		1L	

Version 2.5

Date of Issue:



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11. Maintenance	Incorrect tool use, Lockout/tagout failure	ЗН		1L	



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12. Waste Disposal	Exposure to hazardous substances, Heavy lifting	2M		1L	

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#### **EMERGENCY RESPONSE – CALL 000 FOR EMERGENCIES**

Ensure to have an Emergency Management Plan in place as well as adequate numbers of trained first aid staff with easy access to fully stocked first aid kits, rescue equipment, material safety data sheets, adequate access to emergency communication equipment and fire-fighting equipment suitable for all classes of fire and ignition sources.

	REFERENCES						
RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEGISLATIVE REFERENCES ANY STATE AT ARE NOT APPLICABLE							
Queensland & Australian Capital Territory Work Health and Safety Act 2011 Work Health and Safety Regulations 2011 Legislation QLD: https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws Codes of Practice QLD: https://www.worksafe.qld.gov.au/laws-and-compliance/codes-of-practice Legislation ACT: https://www.worksafe.act.gov.au/laws-and-compliance/acts-and-regulations Codes of Practice ACT: https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice	Victoria Occupational Health are Safety Actioned Occupational Health and infetive gulations 2017 Legis from VIC: <u>https://www.enerksafe.vic.gov.au/occupational-health-and-safety-act-and- gulations</u> Unles on exactice VIC <u>actps://www.worksafe.vic.gov.au/compliance-codes-and-codes-practice</u>						
New South Wales         Work Health and Safety Act 2011         Work Health and Safety Regulations 2017         Legislation NSW: <a href="https://www.safework.nsw.gov.au/legal-obligations/legislatic">https://www.safework.nsw.gov.au/legal-obligations/legislatic</a> Codes of Practice NSW: <a href="https://www.safework.nsw.gov.au/resource-library/lis">https://www.safework.nsw.gov.au/legal-obligations/legislatic</a>	Western Australia Work Health and Safety Act 2020 Work Health and Safety Regulations 2022 Legislation Western Australia: <u>https://www.commerce.wa.gov.au/worksafe/legislation</u> Codes of Practice WA: <u>https://www.commerce.wa.gov.au/worksafe/codes-practice</u>						
Northern Territory Work Health and Safety (National Uniform Legislation) Act 2011 Work Health and Safety (National Uniform Legislation) Regulation 2011 Legislation NT: <u>https://worksafe.nt.gov.au/laws-and-compliance/we_place-set_selaws</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/fd-resourc_sforselaws</u>	Safe Work Australia Links Law and Regulation (All States): <u>https://www.safeworkaustralia.gov.au/law-and-regulation</u> Model Codes of Practice: <u>https://www.safeworkaustralia.gov.au/resources-publications/model- codes-of-practice</u>						
South Australia Work Health and Safety Act 2012 (SA) Work Health and Safety Regulations 2012 (SA) Legislation for SA: https://www.safework.sa.gov.au/resources/legislation Codes of Practice for SA: https://www.safework.sa.gov.au/work_saces/codes-of-practice#COPs	Model Codes of Practice  - Managing noise and preventing hearing loss at work - Confined spaces - Labelling of workplace hazardous chemicals - Managing risks of hazardous chemicals in the workplace - Welding processes						
Tasmania         Work Health and Safety Act 2012         Work Health and Safety (Transitional and Consequential Provisions) Act 2012         Work Health and Safety Regulations 2012         Work Health and Safety (Transitional) Regulations 2012         Legislation for TAS: <a href="https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations">https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations</a> Codes of Practice for TAS: <a href="https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice">https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice</a>	<ul> <li>First aid in the workplace</li> <li>Managing the risk of falls at workplaces</li> <li>Hazardous manual tasks</li> <li>Managing the risk of falls in housing construction</li> <li>Managing electrical risks in the workplace</li> <li>Demolition work</li> <li>Excavation work</li> </ul>						
Details of permits, licenses or access required by regulatory bodies (add or delete as required): - Permits from local council - Authorisation to commence work	<ul> <li>Work health and safety consultation, cooperation and coordination</li> <li>Managing the work environment and facilities</li> <li>How to manage work health and safety risks</li> <li>Managing risks of plant in the workplace</li> <li>Construction work</li> </ul>						

- Any required documents.



#### SIGNATORIES OF THE SAFE WORK METHOD STATEMENT

The signed and dated personnel listed below have cooperated in the consultation and development of this Safe Work Method Statement which has been approved by the Person/s Conducting a Business or Undertaking (PCBU). In signing this Safe Work Method Statement each individual acknowledges and confirms that they have read this SWMS in full, having raised any questions for items on this Safe Work Method Statement that require clarification, and confirms that they are competent, skilled and knowledgeable for the task assigned to them. Every person acknowledges that they have received the relevant training and qualifications where required, before carrying out any work contained in this Safe Work Method Statement. By signing this Safe Work Method Statement each individual agrees to work safely, to follow any safe work instructions which are provided, and agrees to use all Personal Protective Equipment where appropriate.

Worker Name	Position	Signature	Date	Time	Supervisor
			Date:		
			Datu		
			ı te:		
			Date:		

#### SAF WC A STHUD STATEMENT MONITORING AND REVIEW

The SWMS must be reviewed regularly to review the sure it remains revised if necessary) if relevant control measure are a conconsultation with workers (including contractors are subcontract of the SWMS and their health and safety representatives who re workplace.

ke sure it remains effective and must be reviewed (and are subcontractions) who may be affected by the operation sentatives who received that work group at the

When the SWMS has been revised the PCBU must ensure that all persons involved with the work are advised that a revision has been made and how they can access the revised SWMS, including all persons who will need to change a work procedure or system as a result of the review are advised of the changes in a way that will enable them to implement their duties consistently with the revised SWMS. All workers that will be involved in the work must be provided with the relevant information and instruction that will assist them to understand and implement the revised SWMS.

The SWMS must be monitored regularly for the effectiveness of ensuring hazard controls are effective in reducing the risk of incidents, keeping the workplace safe for all personnel. The person responsible for monitoring the effectiveness of the Safe Work Method Statement should employ a multi-faceted approach which includes but is not limited to:

- 1. Spot Checks.
- 2. Consultation with workers, contractors and sub-contractors.
- 3. Internal audits on a continual basis.

An approach of continuous improvement, promptly recording inconsistencies or deficiencies, followed up by immediate corrective action and consultation with all relevant personnel ensures that the PCBU is consistently developing ever-improving systems of safe work principles.

REVIEW NUMBER	1	2	3	4	5	6	7
NAME							
INITIALS							
DATE							



#### SAFE WORK METHOD STATEMENT REVIEW CHECKLIST

This Safe Work Method Statement Review Checklist is to be followed and used upon initial development of the SWMS to help ensure that all steps have been adequately taken before work commences. Think of this document as an internal audit review checklist before commencing work, and may form part of a Toolbox Talk (safety meeting) and may be used as an opportunity for education and training.

ITEMS WHICH MUST BE INCLUDED IN THE SWMS	COMPLETED	TO BE DONE	COMMENTS
The company details have been entered, including the project name and address.			
Names and signatures of all relevant personnel consulted during the development of the SWMS.		P	
Name, signature, position and date signed of the person approving the SWMS.			
Specific personnel and qualifications, experience is noted in the SWMS.			
Provides a step-by-step process of tasks required to carry out the activity or task.			
Adequate risk assessment of any identified hazards has been completed.			
Foreseeable hazards are identified and documented for each step.			
Any hazards listed in any site risk assessments have been added to the SWN			
SWMS initial risk (IR) column as well as residual risk (RR) columns completed.			
Check control measures added to the SWMS are the most effecting sections.			
Responsible person is assigned and listed on the SWMS for the imement of cont, measures.			
Permit requirements specified, such as Hot Wey, Electrical Work, Verat Heights etc.			
SWMS identifies plant and equipment to be up t.			
Details of inspection checks required for any equipment listed approved on the SWMS.			
Describes any mandatory qualifications, experience vaining skills required to perform the work.			
Applicable personal protective equipment is selected on the SWMS.			
Lists any required permits or licenses.			
Reflects and documents any legislative references and/or Australian Standards.			
Identifies any hazardous substances used with specific control measures in line with any SDS.			
			·
REVIEWED BY	DATE RI	EVIEWED	
SIGNATURE	DATE CO	MPLETED	