

Metal Cnc Waterjet Cutting	Machine   SAFE WORK ME	THOD STATEMENT (SWMS)	
TASK OR A	CTIVITY: Metal Cnc Waterjet Cutt	ing Machine	
Business Name: [Company Name]		ABN: [ABN]	SWMS#
Business Address: [Company Address]			
Contact Person:	Phone: [Phone]	E fil:	
THIS SAFE WORK METHOD	STATEMENT IS APPROVED BY 1	THE PL OF THE PROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a person conduct the proposed work starts.	eting a business or undertaking (N 3U) is	required to ture at a safe work method st	tatement (SWMS) is prepared before
Full Name:			
Signature:		Title:	Date:
Details of the person(s) responsible for ensuring implementation, monitoring a	ompliance of the SWMS well as review	s and modifications of the SWMS.	
Full Name:		Title:	Phone:
ALL PERSONNEL PARTICIPATING IN ANY ACTIVITY ON THIS WAS. ST HAVE THE FOLLOWING COMMUNICATED	N. 1E AND DATED SIGNATURE OF A CO. MUNICATED TO IN THE DEVELO	LL RELEVANT PERSONNEL WHO HAVE BE PMENT 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, conditions those hazards and then to further take steps to either the conditions of the conditions are or conditionally as a condition of the conditions are conditionally as a condition of the condition of the conditions are conditionally as a condition of the conditi	NAME	SIGNATURE	DATE
If an incident or a near miss occurs, all work must standardly. 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.			



	CLIENT OR PRINCIPAL CONTRACTOR DETAILS										
Client:						SCOPE OF WORKS					
Project Name:					Provide a detailed description of the specific work being carried out (otherwise						
Project Address:					known as cope of works).						
Project Manager:											
Contact Phone:											
Project Manager Sig	nature:										
Date SWMS supplie	d to Project Manager:										
ANY HIGH-RISK CON PUC) NO JRK BEING CARRIED OUT											
☐ involves a risk of a pe	erson falling more than 2 m	neters.		is carried out on or near pressurised gas mains or piping.							
is carried out on a tel	ecommunication tower.			is carried out on or near chemical, fuel or refrigerant lines.							
☐ involves demolition of	f an element of a structure	that is load-be n.		is carried out on	is carried out on or near energised electrical installations or services.						
☐ involves demolition of	f an element related to the	physical integrit of a str	2	is carried out in an area that may have a contaminated or flammable atmosphere.							
☐ involves, or is likely to	o involve, disturbing a	tos.		involves tilt-up or precast concrete.							
involves structural alt	eration or repair that re	mporal, upp to p	prevent collapse.	is carried out on, in or adjacent to a road, railway, shipping lane or other traffic corridor.							
is carried out in or ne	ar 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/near	a shaft or trench deeper th	nan 1.5m or tunnel involvin	g use of explosives.	is carried out in a	areas with artificial extremes of	temperature.					
is carried out in or ne	ar water or other liquid tha	t involves a risk of drownin	ng.	☐ involves diving w	vork.						
		ANY HI	IGH-RISK MACHINEF	RY OR EQUIPMEN	IT NEARBY						
Forklift	☐ Crane/s	☐ Hoist/s	☐ Excavator	☐ Backhoe/Loader	☐ Boom Lift	☐ EWP	☐ Genie Lift				
☐ Trencher	☐ Drilling Rig	☐ Trucks	Formwork	☐ Bobcat	☐ Flammable Gas	☐ Fuel	☐ Dozer				
☐ High Voltage	☐ Mulcher	☐ Tilt-up Panels	Roller	☐ Scissor Lift	☐ Tractor	Other -					





### PER NAL TECTIVE EQUIPMENT (PPE)

FOOT PROTECTION	HAND PROTECTION	HEAD PROTECTION	HEARING PROTECTION	PROTE	SPIRATORY P STECTION	FACE PROTECTION	HIGH-VIS CLOTHING	PROTECTIVE CLOTHING	FALL PROTECTION	SUN PROTECTION	HAIR/JEWELLERY SECURED
			A								

Select me appropriate PPE above suitable for the equipment used or the job task being performed (if applicable).

**Note:** A SWMS must be reviewed regularly to make sure it remains effective. A SWMS must be reviewed (and revised if necessary) if relevant control measures are revised. The review process should be carried out in consultation with workers (including contractors and subcontractors) who may be affected by the operation of the SWMS and their health and safety representatives who represented that work group at the workplace.

When a SWMS has been revised, the person conducting a business or undertaking must ensure all:

- 1. persons involved in the work are advised that a revision has been made and how they can access the revised SWMS;
- 2. 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: and.
- 3. workers that will be involved in the work are provided with the relevant information and instruction that will assist them to understand and implement the revised SWMS.



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	Machine malfunction, Improper use of personal protective equipment (PPE)	3H	<ul> <li>Ensure that all employees are thoroughly trained on the safe operation of the metal CNC Waterjet machine.</li> <li>Always complete a thorough inspection of the cachine prior to use, ensuring it is in good working condition.</li> <li>Make sure that the machinery is properly in entained according to the manufacturer's recommendations.</li> <li>Utilise lockout/tagout processes during maintenance or who are machine is not in use.</li> <li>Supply and enforce powers all projective equipment (MPE) usage, including safety gloves, eyewer and ear projection.</li> <li>Implement a usict guidel's for hand are an disposing of any waste generated from an machin.</li> <li>Estantisculear energency protocols in case of machine malfunction or injuries.</li> <li>Encot age agular as aks for workers to avoid fatigue which can lead to accidents.</li> <li>Position adequate first aid kits with up-to-date supplies near workstations.</li> <li>As a way a reas around the machine clean and clutter-free to prevent trips and falls.</li> <li>negularly review and revise safety training processes to keep information fresh and applicable.</li> <li>Have a system in place for reporting issues with machinery, and ensure problems are addressed promptly.</li> <li>Discourage distractions whilst operating machinery - ensure personnel are able to fully concentrate on the task at hand.</li> <li>Incorporate a safe system of work with regards to manual handling to ensure workers are lifting correctly to prevent injury.</li> </ul>	2M	
2. Setup and Inspection	Wrong setup, Lack of inspection	ЗН	<ul> <li>Provide detailed operator training on the proper setup of CNC waterjet cutting machine to ensure competence.</li> <li>Develop and implement routine inspections, with a specific focus on before and after using the machinery.</li> <li>Establish clear procedures to follow in case the machine is not set up correctly, including immediate cessation of operation and reporting to the supervisor.</li> <li>Periodically engage experts for supplementary checks, ensuring equipment functionality remains optimal.</li> <li>Proof of inspections should be documented and available for auditing purposes by governing bodies or internal audit teams.</li> </ul>	2M	



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			- Encourage open communication channels so staff feel comfortable reporting incidents, near misses or potential hazards.		
			- Utilise appropriate personal protective equipment (F) during setup and inspections. This may include safety glasses.		
			- Install emergency stop buttons that can be a the machine to a safe stop quickly if things go wrong.		
			- Ensure adequate lighting around the CNC water cutting machine to allow operators to check the setup operly.		
			- Layout setup guidelines and its ection checklist city within sight of the operator.		
			- Promote a cult of sale inclusity where standard encouraged to take responsibility of only for the own starty, but so for those around them.		
			- Use the relifting an unques and handle things within your Personal Handling Zone (between less than open thigh height).		
			- Seek sis ace for avy item and consider using mechanical aids if necessary, such as allet sks, for its or cranes to do the heavy lifting.		
			- po floor area round the machine clear and free from debris, obstacles or slipped a stances to prevent slips and trips.		
			Insure load is balanced and secured before attempting to move it onto the nohine.		
			Wear protective footwear with good slip resistance and adequate ankle support.		
			- Implement a 'clean as you go' policy. Regularly clean up throughout the day to avoid build-up of waste which could cause a trip hazard.		
3. Feedstock Loading	Heavy lifting, Slips and Trips	3Н	- Install adequate lighting over walkways and in the work area to better allow workers to see any potential hazards lying on the ground.	1L	
			- Set up routine inspections and maintenance checks of the work area to monitor for potential risk factors.		
			- Provide training or information sessions to all employees about correct lifting procedures and the risks related to manual lifting and handling loads.		
			- Promote regular rest breaks considering the intensity of physical activity and provide instruction to workers to ensure they know not to lift more than they comfortably can.		
			- Fix reflective warning signs or barriers to highlight any known hazards which could cause slips or trips.		
			- If possible, have a designated space for each piece of material to ensure that pathways remain clear and obstacles are minimised.		
			- Enforce wearing of gloves at all times during feeding operations and ensure these are rated for the loads being handled.		



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			- Ensure workers are aware of emergency procedures, particularly where related to personal injury or damage from failed lifts or trips.		
4. Machine Starting Process	Electric shock, Noise exposure	3H		2M	



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5. CNC Programming	Incorrect data entry, Unknown machine operation	4A		2M	
6. Waterjet Cutting	High pressure injuries, Flying debris	4A		2M	



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7. On-going Machine Operation	Exposure to heat, Repetitive motion injuries	ЗН		1L	



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8. Material Unloading	Cuts and lacerations, Heavy lifting injuries	4A		2M	



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9. Finishing Touches	Chemical exposure, Fire risk	зн		1L	



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10. Quality Inspection	Poor lighting, Repetitive motion injuries	зн		1L	



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11. Clean Up	Exposure to cleaning chemicals, Sli and falls	ЗН		2M	



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12. Regular Maintenance	Exposure to biohazard materials, caught-in injuries			1L	
13. Shutdown	Residual energy, Uncontrolled release of pressure	2M		1L	



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14. Emergency Stop/Reset	Panic, lack of knowledge on procedures	4A		2M	



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15. Documentation and Reporting	Incorrect report write a compliar e risk	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.

#### LEGISLATIVE REFERENCES

RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEGISLATIVE REFERENCES. ANY STATE OF AT ARE NOT APPLICABLE.

#### **Queensland & Australian Capital Territory**

Work Health and Safety Act 2011

Work Health and Safety Regulations 2011

 $\textbf{Legislation QLD:} \ \underline{\textbf{https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws}$ 

Codes of Practice QLD: <a href="https://www.worksafe.qld.gov.au/laws-and-compliance/codes-of-practice">https://www.worksafe.qld.gov.au/laws-and-compliance/codes-of-practice</a> Legislation ACT: <a href="https://www.worksafe.act.gov.au/laws-and-compliance/acts-and-regulations">https://www.worksafe.act.gov.au/laws-and-compliance/acts-and-regulations</a>

Codes of Practice ACT: https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice

#### **New South Wales**

Work Health and Safety Act 2011

Work Health and Safety Regulations 2017

Legislation NSW: https://www.safework.nsw.gov.au/legal-obligations/legislati

Codes of Practice NSW: https://www.safework.nsw.gov.au/resource-library/lis > odes-or racti

#### **Northern Territory**

Work Health and Safety (National Uniform Legislation) Act 2011

Work Health and Safety (National Uniform Legislation) Regulation 201

Legislation NT: https://worksafe.nt.gov.au/laws-and-compliance/wo\_place-

Codes of Practice NT: https://worksafe.nt.gov.au/5

#### South Australia

Work Health and Safety Act 2012 (SA)

Work Health and Safety Regulations 2012 (SA)

Legislation for SA: <a href="https://www.safework.sa.gov.au/resources/legislation">https://www.safework.sa.gov.au/resources/legislation</a>

Codes of Practice for SA: <a href="https://www.safework.sa.gov.au/wor">https://www.safework.sa.gov.au/wor</a> aces/codes-of-practice#COPs

#### 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: https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations

Codes of Practice for TAS: https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice

Details of permits, licenses or access required by regulatory bodies (add or delete as required):

- Permits from local council
- Authorisation to commence work
- Any required documents.

#### Victoria

Occupational Health al. Safety Act

Occupational Health and affety gulations 2017

Legis on VIC: https://www.safe.vic.gov.au/occupational-health-and-safety-act-and-

**Tulat** 

des of actice VIC attps://www.worksafe.vic.gov.au/compliance-codes-and-codes-practice

#### Western Australia

Work Health and Safety Act 2020

Work Health and Safety Regulations 2022

Legislation Western Australia: <a href="https://www.commerce.wa.gov.au/worksafe/legislation">https://www.commerce.wa.gov.au/worksafe/legislation</a> Codes of Practice WA: <a href="https://www.commerce.wa.gov.au/worksafe/codes-practice">https://www.commerce.wa.gov.au/worksafe/codes-practice</a>

#### Safe Work Australia Links

Law and Regulation (All States): https://www.safeworkaustralia.gov.au/law-and-regulation Model Codes of Practice: https://www.safeworkaustralia.gov.au/resources-publications/model-codes-of-practice

#### **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
- First aid in the workplace
- Managing the risk of falls at workplaces
- Hazardous manual tasks
- Managing the risk of falls in housing construction
- Managing electrical risks in the workplace
- Demolition work
- Excavation work
- Work health and safety consultation, cooperation and coordination
- Managing the work environment and facilities
- How to manage work health and safety risks
- Managing risks of plant in the workplace
- Construction work



#### 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	Pos	sition	Signature	Date	Time	Sup	pervisor	
				Date:				
				l te:				
			AV	Date:				
				Date:				
				Date:				
Date:								
	SAI WO A STHUD STATEMENT MONITORING AND REVIEW							
The SWMS must be reviewed regularly to the ke sure it remains effortive and must be reviewed (and revised if necessary) if relevant control measure and the consultation with workers (including contractors and subcontract is) who may be affected by the operation of the SWMS and their health and safety representatives who resented that work group at the workplace.  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	<u> </u>	□ 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.	P		
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 SWI			
SWMS initial risk (IR) column as well as residual risk (RR) columns completed.			
Check control measures added to the SWMS are the most effecting secutions.			
Responsible person is assigned and listed on the SWMS for the imperent of contameasures.			
Permit requirements specified, such as Hot Work, Electrical Work, Vocat Heights etc.			
SWMS identifies plant and equipment to be u d.			
Details of inspection checks required for any equipment listed at noted on the SWMS.			
Describes any mandatory qualifications, experience paining 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 R	EVIEWED	
SIGNATURE	DATE CO	MPLETED	