

Pulse Laser Beam Mach	ine SAFE WORK METHO	D STATEMENT (SWMS)	
TASK O	R ACTIVITY: Pulse Laser Beam	Machine	
Business Name:		ABN:	SWMS#
Business Address:			
Contact Person:	Phone:	E qil:	
THIS SAFE WORK METHOD	STATEMENT IS APPROV D BY	THE PC. OF THE ROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a person conduct the proposed work starts.	cting a business or und ring (Pc V) is	required to element that a safe work method	statement (SWMS) is prepared before
Full Name:			
Signature:	NY	Title:	Date:
Details of the person(s) responsible for ensuring implementation, monitoring	compliant e of the SWIL as well as re	eviews and modifications of the SWMS.	
Full Name:		Title:	Phone:
ALL PERSONNEL PARTICIPATING IN ANY ACTIVITY ON THIS VMS PHAVE THE FOLLOWING COMMUNICATED	NA. 2 OF ALL RELEVANT PERSONN EVELOPMENT AND APPROVAL OF	IEL WHO HAVE BEEN CONSULTED AND (THIS SWMS	COMMUNICATED TO IN THE
Safety meetings or toolbox talks will be sched ed in accorde with regislative requirements to first identify any site hazards, to continuing the those hazards and then to further take steps to either eliminate or continuing the continuing the same of the continuing the continuing the same of the continuing the continuing the same of the continuing the continuing the same of the continuing the continuing the same of the continuing the contin			
If an incident or a near miss occurs, all work must stee diately. 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:	
Project Address:	
Project Manager:	
Contact Phone:	
Date SWMS supplied to Project Manager:	
ANY HIGH-RISK CONSTRUCTOR	ON WC & BEIN C & RIED OUT
involves a risk of a person falling more than 2 meters	is carried out on or near pressurised gas mains or piping
☐ is carried out on a telecommunication tower	carried out on or near chemical, fuel or refrigerant lines
☐ involves demolition of an element of a structure that is load-hearing	☐ is carried out on or near energised electrical installations or services
☐ involves demolition of an element related to the physical interrity structure	☐ is carried out in an area that may have a contaminated or flammable atmosphere
☐ involves, or is likely to involve, disturbing as	☐ involves tilt-up or precast concrete
involves structural alteration or repair the requires to rary so port to prevent collapse	☐ is carried out on, in or adjacent to a road, railway, shipping lane or other traffic corridor
☐ is carried out in 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/near a shaft or trench deeper an or tunnel involving use of explosives	☐ is carried out in areas with artificial extremes of temperature.
is carried out in or near water or other liquid that involves a risk of drowning.	involves diving work.
ANY HIGH-RISK MACHINER	Y OR EQUIPMENT NEARBY



RISK MATRIX											
LIKELIHOOD	INSIGNIFICANT	MINOR	MODERATE	MAJOR	CATASTROPHIC	SCORE	ACTION		HEIRARCHY OF CONTROLS		
ALMOST CERTAIN	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4 ACUTE	SCORE	SCORE	SCORE	ACTION		Elimination Remoy e the hazard.
LIKELY	2 MODERATE	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4A ACUTE	DO NOT PROCE		Substitution		
POSSIBLE	1 LOW	2 MODERATE	3 HIGH	4 ACUTE	4 ACUTE	3H HIGH	Review before work starts.		Replace the hazard.		
UNLIKELY	1 LOW	1 LOW	2 MODERATE	3 HIGH	4 ACUTE	2M MODERATE	Ensure control measures in place.		Isolation Isolate People from the hazard		
RARE	1 LOW	1 LOW	2 MODERATE	3 HIGH	3 HIGH	1L LOW	nitor and records		Engineering Isolate the hazard.		
is the second m	archy of Controls: nost effective methologing the work is	od of controlling a	a hazard. Engine	ering by isolat	ion is the nost of	e. tive, while	ard. Substitution e Administrative least effective		Administrative Change the work.		

						TIVE EQUIPM					
		Select the app	propriate PPL	abo suitak	ok for the equip	oment used or	the job task	being perfori	med (if applica	able).	
FOOT PROTECTION	HAND PROTECTION	HEAD PROTECTION	THE ARING STION	P _cCTION	PROTECTION	FACE PROTECTION	HIGH-VIS CLOTHING	PROTECTIVE CLOTHING	FALL PROTECTION	SUN PROTECTION	HAIR/JEWELLERY SECURED
Other PPE R	equired:										
	Pe	ermit or Licen	ses Requirem	ients		Mandatory Qualifications and Training					



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
1. Preparation	Electrical shock, fire hazard	ЗН	- Conduct a thorough risk assessment before deginning work to identify potential hazards associated with electrical components and flammable materials. - Ensure all electrical equipment and tools at the order of any damage or faults prior to use. - Provide training for operator on safe handling and on alon of the pulse laser beam machine, emphasising awares and electrical safety and fire evention. - Assign a quality of electrical to long die any provins or maintenance involving electrical systems of the laser machine. - Dispit clear and visible algnage around the work area to alert staff to potential electrical shock risks and fire hands. - Use his to add took and wear rubber-soled shoes to minimise the risk of electric shock when performing tasks to the indiverse electrical and fire hazards. - Stability and took and wear rubber around the laser machine to prevent unauthorised access, reducing the risk on cide tall explained to electrical and fire hazards. - Implementable to electrical and fire hazards. - Implementable to electrical and fire hazards. - In vital an appropriate number of fire extinguishers rated for electrical fires (Class E) in close proximity to the work area. - Ensure proper ventilation in the work area to prevent the accumulation of potentially flammable vapours or gases. - Regularly inspect power cords and connections for signs of wear or damage, replacing any compromised components immediately. - Maintain a clean work environment by removing dust, debris, and flammable materials from the vicinity of the laser machine. - Develop and rehearse emergency procedures specifically for electrical shocks and fire incidents, including evacuation plans and first-aid response.	2M
2. Inspection	Equipment malfunction, improper connections	4A	 Conduct regular maintenance checks to ensure all equipment is in proper working order. Implement a pre-inspection checklist specific to the pulse laser beam machine. Train personnel on proper inspection procedures and identification of potential hazards. Ensure that only qualified technicians perform inspections. 	3H



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		11151	- Use appropriate personal protective equipment (PPE) such as safety glasses and gloves during inspections.	
			- Verify that all electrical connections are secure meet industry standards.	
			- Install warning signs and labels indicating anger zones and safe operating areas.	
			- Utilise lockout/tagout procedures before pecting servicing the machine.	
			- Inspect all cables and wires for wear, dama, loose connections.	
			- Calibrate equipment period ally to ensure according and accidentality.	
			- Keep detailed records of pass spections and management activities.	
			- Assess the exponment or any octors that could affect the operation, such as dust or moisture.	
			- Establish a ptocol for corting a part essing any identified faults immediately.	
			- Ensemble	
			- Conduit the right training for operators on proper alignment procedures and correct handling of the use later beautiful to the conduction of the use and correct handling of the use later beautiful to the conduction of the use of the conduction of the use of the	
			- Imports to a regular maintenance schedule to ensure all machine components are in optimal condition and second fastened.	
		_ \>	- e laser alignment tools and guides to assist with accurate setup and minimise human error during alignment.	
			- Ensure the work area has adequate lighting to facilitate accurate component arrangement and visual inspections.	
			- Clearly mark hazard zones around the laser equipment to alert employees to potential dangers.	
	Laser alignment error,		- Provide personal protective equipment (PPE) such as laser safety glasses specifically rated for the laser wavelength being used.	
3. Set-Up	components	3H	- Use locks or physical barriers to prevent unauthorised access to laser equipment during setup and alignment.	2M
			- Implement checklists to verify that all components are secure and aligned properly before operation begins.	
			- Establish communication protocols to ensure team members are aware when laser alignment is occurring.	
			- Keep non-essential personnel at a safe distance during setup and alignment to reduce exposure risks.	
			- Post clear, visible warning signs indicating the presence of lasers and the necessity of wearing protective gear.	
			- Regularly review and update emergency response plans specific to laser-related incidents.	
			- Engage an experienced supervisor or engineer to oversee the setup process and verify alignment accuracy.	



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4. Calibration	Exposure to laser radiation, incorrect calibration	4A		3H
5. Test Run	Unexpected machine movement, test object instability	4A		3H



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6. Operation Start	High noise levels, operator distracti	ЗН		2M
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7. Monitoring	Eye strain from screens, fatigue	2M		1 1L
8. Material Handling	Heavy lifting, slips and trips	ЗН		2M



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9. Beam Focusing	Direct exposure to laser ptical fibre breaks	4A		3H



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10. Cutting	Sharp edges, flying debris			3H
11. Engraving	Eye discomfort, inhalation of fumes	3H		2M







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13. Maintenance	Component wear and tear, electrical hazards	4A		3H
14. Shutdown	Energy discharge, improper shutdown procedure	ЗН		2M



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Chemical exposure,ete disposa issues	ЗН		2M
			-
	Chemical exposure, more disposa	Chemical exposure, more disposa	HAZARDS THAT MAY ARISE INITIAL RISK SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS Chemical exposure, were disposa



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16. Storage	Inadequate storage conditions, pest infestation	2M		1L
17. Transportation	Equipment damage, accidents during transport	ЗН		2M



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				•
40.5				
18. Emergency Response	Delay in response knowledge	1A		3H
		-		
		-		



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19. Training	Insufficient training, outdated safety measures	3Н		2M
20. Documentation	Incomplete records, inaccurate data entry	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

N ANY STATEMAT ARE NOT APPLICABLE RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEGISLATIVE REFERENCE.

Queensland & Australian Capital Territory

Work Health and Safety Act 2011

Work Health and Safety Regulations 2011

Legislation QLD: https://www.worksafe.qld.qov.au/laws-and-compliance/work-health-and-safety-laws Codes of Practice QLD: https://www.worksafe.gld.gov.au/laws-and-compliance/codes-of-practice

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

Legislation ACT: https://www.worksafe.act.gov.au/laws-and-compliance/acts-and-regulations

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/legi

Codes of Practice NSW: https://www.safework.nsw.gov.au/resource-librar

Northern Territory

Work Health and Safety (National Uniform Legislation) Act 201

Work Health and Safety (National Uniform Legislation) Regulations 26

Legislation NT: https://worksafe.nt.gov.au/laws-and-compliance orkpla

Codes of Practice NT: https://worksafe.nt.gov.a nd-reso

South Australia

Work Health and Safety Act 2012 (SA)

Work Health and Safety Regulations 2012 (S

Legislation for SA: https://www.safework.sa.gov.au/resources

Codes of Practice for SA: https://www.safework.sa.gov.au/w laces/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

Ocupational Health Safety A

regulations 2017 ational Health an Safe

- Legis ion VIC: https://v rksafe.vic.gov.au/occupational-health-and-safety-act-and-
- ttps://www.worksafe.vic.gov.au/compliance-codes-and-codes-practice des of actice VV

Western Australia

Work Health and Safety Act 2020

Work Health and Safety Regulations 2022

Legislation Western Australia: https://www.commerce.wa.gov.au/worksafe/legislation Codes of Practice WA: https://www.commerce.wa.gov.au/worksafe/codes-practice

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/modelcodes-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	Signature	Date

SAFE WORK IN 'THIS 'S' ITEM ON MONITORING AND REVIEW

The SWMS must be reviewed regularly to make sure it remain effect, and must be reviewed (and revised if necessary) if relevant control measures are revised. The view as should be carried out in consultation with workers (including contractors as unputractors of the SWMS and their health and safety registeratives who represented that work group at the workplace.

When the SWMS has been revised the PCBD mest ensure the advised that a revision has been made and how they can accept the revised SWMS, including all persons who will need to change a work procedure or system as a remotified the review are advised of the changes in a way that will enable them to implement their duties the thing 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:

- Spot Checks.
- 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	COMMENTS
The company details have been entered, including the project name and address.		
All relevant personnel consulted during the development of the SWMS.		
Name, signature, position and date signed of the person approving the SWMS.		
Specific personnel and qualifications, experience is noted in the SWMS.	7	
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 SV 5.		
SWMS initial risk (IR) column as well as residual risk (RR) column ampleted.		
Check control measures added to the SWMS are the most effer ve secutions.		
Responsible person is assigned and listed on the splenetation of control measures.		
Permit or licenses requirements specified, so n as Hot Work, Electral Work, Work at Heights etc.		
SWMS identifies plant and equipment to be		
Details of inspection checks required for any equipment lister are noted on the SWMS.		
Describes any mandatory qualifications, experience, and or skills required to perform the work.		
Applicable personal protective equipment is selected on the SWMS.		
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 REV	/IEWED
SIGNATURE	DATE COM	PLETED