



Work With Lasers And Ultraviolet	(Uv) Sources SAFE WOR	RK METHOD STATEMENT (S)	WMS)
TASK OR ACTIVIT	ΓΥ: Work With Lasers And Ultrav	iolet (Uv) Sources	
Business Name:		ABN:	SWMS#
Business Address:			
Contact Person:	Phone:	E 111:	
THIS SAFE WORK METHOD	STATEMENT IS APPROVED BY	THE PCL OF THE ROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a person conduct the proposed work starts.	eting a business or under a (PC 1) is	required to en that a safe work method s	statement (SWMS) is prepared before
Full Name:			
Signature:	NY	Title:	Date:
Details of the person(s) responsible for ensuring implementation, monitoring a	opliance the VMS a well as review	s and modifications of the SWMS.	
Full Name:		Title:	Phone:
ALL PERSONNEL PARTICIPATING IN ANY ACTIVITY ON THIS S /MS M HAVE THE FOLLOWING COMMUNICATED	NA, 2 OF ALL RELEVANT PERSONNI EVELOPMENT AND APPROVAL OF	EL WHO HAVE BEEN CONSULTED AND CO THIS SWMS	OMMUNICATED TO IN THE
Safety meetings or toolbox talks will be sched and in account with a gislative requirements to first identify any site hazards, hazards and then to further take steps to either eliminate or continuous each hazard.			
If an incident or a near miss occurs, all work must sto, an alately. 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.			

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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 BIOK CONSTRUCTOR	NAME OF THE POLIT
ANY HIGH-RISK CONSTRUCTOR	N WC & BEIN C ARIED 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-bearing	\square is carried out on or near energised electrical installations or services
☐ involves demolition of an element related to the physical integral of a functure	☐ is carried out in an area that may have a contaminated or flammable atmosphere
☐ involves, or is likely to involve, disturbing asb	☐ involves tilt-up or precast concrete
☐ involves structural alteration or repair that —quires term — v sup —rt 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 that. tunnel involving use of explosives	☐ is carried out in areas with artificial extremes of temperature.
\square 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

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RISK MATRIX										
LIKELIHOOD	INSIGNIFICANT	MINOR	MODERATE	MAJOR	CATASTROPHIC	SCORE	ACTION	HEI	RARCHY OF CONTROLS	
ALMOST CERTAIN	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4 ACUTE	SCORE	ACTION		Elimination Remove 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.	Isolate	e People from the hazard	
RARE	1 LOW	1 LOW	2 MODERATE	3 HIGH	3 HIGH	1L LOW	nitor and		Engineering Isolate the hazard.	
is the second m	Administrative Change the work. Otes on Hierarchy of Controls: Elimination methods are the most effective and preferrence on controls by changing the work is the fourth most effective method. PPE (Personal Protective Equation). The least effective									

				PERS		TIVE EQUIPM					
		Select the app	ropriate PPŁ	abo. auitab	le or the equi	pment used or	the job task	being perforr	ned (if applica	ıble).	
FOOT PROTECTION	HAND PROTECTION	HEAD PROTECTION	HEARING ETION	P ECTION	PROTECTION	FACE PROTECTION	HIGH-VIS CLOTHING	PROTECTIVE CLOTHING	FALL PROTECTION	SUN PROTECTION	HAIR/JEWELLERY SECURED
Other PPE R	Required:										
	Pe	ermit or Licen	ses Requirem	ents		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	Improper training, Laser and UV source misuse	3H	 Conduct comprehensive training sessions waser and UV source safety for all employees before commencing work. Implement a formal certification process verify of unpetency in handling lasers and UV sources. Display clear and visible safety signage near are twhere labels and UV sources are used to indicate potential hazards. Develop and enforce to open one procedures out wing safe use, handling, and storage of lasers and UV sources. Restrict action to laser and UV area to confrised personnel who have completed requisite safety training. Introduction mandator regular refresher courses on laser and UV safety to ensure ongoing competence. Instructive mandator regular refresher courses on laser and UV safety to ensure ongoing competence. Instructive area of the personal protective equipment such as safety goggles specific to laser we selen as or to protection. Solvide tetailer astruction manuals and guidelines outlining the correct operation of each specific laser and solvide retailer astruction manuals and guidelines outlining the correct operation of each specific laser and solvide retailer astruction of each specific laser and solvide retailer astruction manuals and guidelines outlining the correct operation of each specific laser and solvide retailer astruction manuals and guidelines outlining the correct operation of each specific laser and solvide retailer astruction manuals and guidelines outlining the correct operation of each specific laser and solvide retailer astruction manuals and guidelines outlining the correct operation of each specific laser and solvide retailer astruction manuals and guidelines outlining the correct operation of each specific laser and solvide retailer astruction manuals and guidelines outlining the correct operation of each specific laser and solvide retailer astruction. Assign a trained supervisor to oversee all activities involving lasers and UV sources to ensure adherence to safety protocols.	2M
2. Equipment Check	Faulty equipment, Unauthorised modifications	4A	 Conduct regular inspections of all laser and UV equipment to ensure they are in proper working condition. Implement a preventive maintenance schedule overseen by qualified personnel to promptly address potential faults. Prohibit the use of equipment that shows signs of wear, damage, or malfunction until repaired by certified technicians. Maintain a record of all maintenance activities, repairs, and checks for accountability and tracking. Provide training for staff to recognise and report any signs of faulty equipment immediately. 	2M



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			- Ensure all modifications to equipment are authorised and performed by qualified professionals following manufacturer guidelines.	
			- Keep user manuals and safety instructions access the near all laser and UV equipment.	
			- Incorporate a tagging system to identify equal ment undergoing maintenance or awaiting repair.	
			- Establish a protocol for withdrawal of unauthrised monitorised moni	
			- Educate employees on the risks of unauthoris condifications and enforce strict penalties for non-compliance.	
			- Conduct risk assessments plan to any modification or grades to determine the impact on safety and operation.	
			- Use clear size ge indicate the operational secures and any restrictions associated with the equipment.	
			- Ensurall persurbed olved in the setup are trained and familiar with laser and UV safety procedures.	
			- Use se lignme tools and equipment specifically designed for precise and safe laser setup to reduce the risk of its alignment.	
			Estable a controlled wea with warning signs to restrict access only to authorised and trained personnel ring see lp.	
			Improve lockout/tagout procedures to prevent accidental activation of the laser or UV source during etup accidents.	
			- vide and enforce the use of appropriate personal protective equipment (PPE), such as laser safety goggles and UV-resistant clothing, tailored to the specific wavelengths used.	
3. Setting Up	Incorrectly aligned / Jur, Expusure to UV light	ЗН	- Conduct a thorough inspection of all equipment before setup to ensure there are no defects or damage that could lead to incorrect alignment or exposure.	1L
			- Use beam stops or barriers to safely terminate laser beams and shield against unintended reflections.	
			- Position workstations and reflective surfaces away from direct paths of lasers and UV light to minimise indirect exposure risks.	
			- Clearly label laser beam paths and any UV source locations to alert workers to potential hazards during setup activities.	
			- Ensure adequate ventilation is in place to prevent accumulation of ozone or other hazardous by-products generated by UV sources.	
			- Validate and test the setup configuration with low-power settings to confirm correct alignment before increasing to operational levels.	
4. Operation	Direct eye exposure, Unprotected skin exposure	3H		2M
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5. Routine Maintenance	Electrical shock, Chemical exposure from cleaning agents	ЗН		1L



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6. Fault Finding	Electrical hazards, wov exposure	ЗН		2M



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7. Repairs	Release of hazardous particles, Electrical hazards from UV power sources	3H		2M
8. Shutdown	Failure to properly shut down, Exposed laser/UV sources	ЗН		1L



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9. Storage	Insecure storage, Access by unauthorised personnel	2M		1L



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				•
10. Disposal	Chemical hazards from disposal, Physical injury from incorrect hand g	2M		1L
				•



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11. Training	Insufficient knowledge of hazards, Lack of skill in operation	ЗН		2M
12. Emergency Handling	Lack of preparation for emergencies, Non-compliance with safety procedures	ЗН		2M



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13. Health Monitoring	Lack of regular health check-ups, No compliance with medical recommendations	2M		1L



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14. Policy Review	Out-of-date policy, lack of policy enforcement	2M		1L
15. Safety Measures Implementation	Non-compliance to safety measures, Lack of PPE usage	4A		2M



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16. Document Control	Inaccurately recorded data quate document control practices	2M		1L



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17. Auditing	Insufficient auditing processes, Non-conformity to safety standards	2M		1 L
18. Inspection	Inadequate implementation of hazard and risk management, Insufficient inspection routines	ЗН		2M



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SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
19. Incident Reporting	Lack of incident reporting cern, no compliance in timely reporting of incidents	4A		2M



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20. Review and Continuous Improvement	Lack of continual improvement measures, Inadequate resources for improvement	ЗН		2M



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: 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

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-oi racti

Northern Territory

Work Health and Safety (National Uniform Legislation) Act 2011

Work Health and Safety (National Uniform Legislation) Regulation 201

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

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/le

Codes of Practice for SA: https://www.safework.sa.gov.au/work_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 Infety gulations 2017

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

gulat

tes 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: 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/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	Signature	Date

SAFE WORK IN THE STATEMENT MONITORING AND REVIEW

The SWMS must be reviewed regularly to make sure it remains a fective of must be reviewed (and revised if necessary) if relevant control measures are revised. The view process should be carried out in consultation with workers (including contractors of the SWMS and their health and safety representatives who represented that work group at the workplace.

When the SWMS has been revised the PCBU mast ensure that 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 rest of the review are advised of the changes in a way that will enable them to implement their duties and the 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.
- 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							

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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 SWMS		
SWMS initial risk (IR) column as well as residual risk (RR) column pleted.		
Check control measures added to the SWMS are the most effective selections		
Responsible person is assigned and listed on the part the important control measures.		
Permit or licenses requirements specified, sur as Hot Work, Electric Work, Work at Heights etc.		
SWMS identifies plant and equipment to be us		
Details of inspection checks required for any equipment listed an inoted 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 REVIEWE	D
SIGNATURE	DATE COMPLET	ED