



Industrial Autoclave	SAFE WORK METHOD S	STATEMENT (SWMS)	
TAS	K OR ACTIVITY: Industrial Auto	clave	
Business Name:		ABN:	SWMS#
Business Address:			
Contact Person:	Phone:	E fil:	
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.	cting a business or under the (PC 1) is	required to en that a safe work method s	statement (SWMS) is prepared before
Full Name:			
Signature:		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 & VMS IN 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, and then to further take steps to either eliminate or continuous hazard.			
If an incident or a near miss occurs, all work must ste, anately. 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	rchy of Controls: ost effective metho nging the work is th	d of controlling a	hazard. Enginee	ering by isolati	on is the in ost e	en 'ive, while	rd. Substitution Administrative effective		Administrative Change the work. PPE	

				PERS		TIVE EQUIPM					
		Select the app	ropriate PPŁ	abo v uitab	cor 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	equired:										
	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	Trip hazards, Inadequate lighting	2M	 Keep the work area clean and free of debt or clutter, ensuring that there are no obstructions around the industrial autoclave that could cause trippin azards. Clearly mark any cords, hoses, or other trip is not with high visibility tape to make them easily noticeable. Provide adequate lighting at a times during the parameter process by installing fixed and portable lighting systems in and round to work area, meetin appropriate workplace illumination standards. Conduct regula assessments of a slighting in the area to ensure its adequacy, and make adjustments as needed. Ensure that a simplor of a are provided with and wear appropriate personal protective equipment (PPE) such non-resist or potwear to minimise the risk of falling. Develop a sit imple on it a training programme for employees to educate them on potential hazards, safe operation procedures, and proper maintenance of the industrial autoclave. Establity a deconated storage area for equipment and tools, which should be properly cleaned and one sistence of a dater use, to reduce trip hazards. Instalm spling signs and barrier tape around the perimeter of the working area to alert people of the tential hazards within the space. Inclement procedures for promptly addressing and reporting any identified hazards, including an incident reporting system, to ensure a swift resolution of issues. Regularly inspect and maintain the industrial autoclave, focusing on trip hazard prevention measures such as securing loose components and checking for leaks or spills. Develop a schedule for routine housekeeping and maintenance, including timely trash removal, floor cleaning, and equipment inspections, to keep the work area free of potential hazards. Encourage a culture of safety, where workers feel comfortable raising concerns about possible hazards and discussing potential improvements to established procedures. 	1L
2. Pre-inspection	Improper protective equipment, Entanglement with equipment	3H	 Provide comprehensive training to operators and staff involved in the pre-inspection process, ensuring they are familiar with the equipment and understand the potential hazards associated with an industrial autoclave. Ensure that all employees wear appropriate personal protective equipment (PPE) including gloves, safety glasses, and closed-toe shoes that meet workplace health and safety standards. Implement a visual inspection checklist for staff to follow, ensuring every aspect of the autoclave system is checked for potential hazards, including loose or damaged components, leaks, or signs of wear. Schedule regular maintenance checks and servicing of the industrial autoclave to address any technical issues or faults before they become hazardous. 	2M



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			- Establish a buddy system for pre-inspection procedures, encouraging open communication and teamwork amongst staff during the process; this can increase awareness of any potential hazards and provide additional support if required.	
			- Clearly mark hazardous zones adjacent to the succlave and implement perimeter barriers to keep untrained personnel from accidentally entering the area and becoming entangled with the equipment.	
			- Avoid wearing loose clothing, jewellery, or the according to the autoclave, causing potential harm to the operation during pre-inspection.	
			- Install emergency stop meta hisms in key areas round the adustrial autoclave, allowing operators to easily halt the operation in case of entanglement of the potential hazards during pre-inspection.	
			- Develop written pera procedures (SONs) based on manufacturer recommendations and industry best resulces for pre-in section press, including lockout/tagout procedures to ensure equipment is a taccidental started ring spection.	
			- Engage a horting sature, empowing staff to report any observed hazards, unsafe practices, or near-sis in record to the pre-inspection process; this can help identify potential risks and trends while working to order or auous improvement not only for this work step but the overall plant safety.	
			Proper erson proteonive equipment (PPE): To decrease the risk of chemical exposure, employees next weat suitable PPE, including gloves, goggles, and long-sleeved clothing that resists corrosive chemicals	
			Chemical storage and handling training: Workers should receive comprehensive training on safely sing, handling, and disposing of chemicals to reduce the likelihood of chemical accidents.	
			Safe lifting techniques: Teach workers proper manual handling techniques, ensuring they understand how to safely lift heavy objects without putting undue strain on their bodies.	
			- Equipment maintenance: Regularly inspect and maintain autoclave equipment to help preserve optimal performance and mitigate hazards associated with malfunctioning machinery.	
3. Cleaning & Maintenance	Chemical exposure, Manual handlir injuries	3H	- Clear labeling: Make sure all chemicals used in the cleaning process are adequately labelled, providing warnings about potential hazards and explaining how to use them safely.	2M
			- Adequate ventilation: Ensure the workplace has sufficient ventilation, especially when working with hazardous chemicals, to minimise inhalation risks.	
			- Spill response plan: Implement a spill response plan detailing the steps to take in the event of a chemical spill, including containment measures and clean-up procedures.	
			- Use of mechanical aids: Encourage the use of mechanical aids, such as trolleys or lift-assist devices, to aid in the transportation of heavy objects and lessen the risk of manual handling injuries.	
			- Ergonomic design: Promote an ergonomically designed workspace to help reduce fatigue and strain during repetitive tasks associated with cleaning and maintaining autoclave equipment.	
			- Regular breaks: Provide frequent breaks for staff to rest and recover, minimising the risk of musculoskeletal issues due to prolonged standing or repetitive movements.	

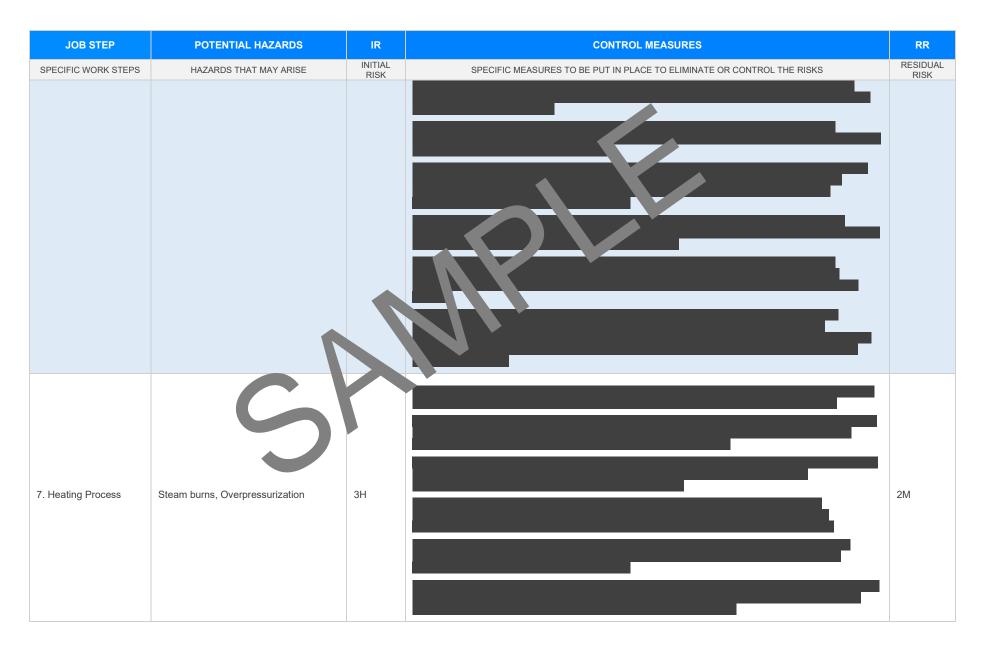


JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
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			- Emergency eyewash stations and safety showers: Install and maintain emergency eyewash stations and safety showers in strategic locations within the workspace to provide immediate access in case of a chemical splash or spill.	
4. Loading Items	Trapped fingers, Back injuries from improper lifting			1L
5. Sealing Autoclave	Incorrect seal placement, Heated surfaces	2M		1L



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6. Operating Controls	Electric shock, Unauthorised access to control panel	ЗН		1L







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				•
8. Cooling Down	Burns from hot surface, unproper venting	-3H		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
9. Releasing Pressure	Explosive release , TNOIS hazards	AA		2M



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
				•
10. Opening Autoclave	Exposure to hot stead to jectiles fit improperly secured objects	4A		2M



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
11. Removing items	Burns from hot man causing foot injuries	ЗH		114



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
				I
12. Post-operation checks	Steam contact, Electrical hazard	2M		1L



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL
		RISK	_	RISK
				I



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

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

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/legislations/

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

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

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_lation

Codes of Practice for SA: https://www.safework.sa.gov.au/wor 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 at Safety Act 34

Occupational Health and afety gulations 2017

Legis on VIC: https://www.csafe.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 selective selectives	\boxtimes	
Responsible person is assigned and listed on the part the improved the measures.		
Permit or licenses requirements specified, sur as Hot Work, Electric Work, Work at Heights etc.	\boxtimes	
SWMS identifies plant and equipment to be us	\boxtimes	
Details of inspection checks required for any equipment listed noted on the SWMS.	\boxtimes	
Describes any mandatory qualifications, experience, use or skills required to perform the work.		
Applicable personal protective equipment is selected on the SWMS.	\boxtimes	
Reflects and documents any legislative references and/or Australian Standards.		
dentifies any hazardous substances used with specific control measures in line with any SDS.		
REVIEWED BY	DATE REVIEWE	D
SIGNATURE	DATE COMPLETI	ED