

Foundry Work S	SAFE WORK METHOD STA	TEMENT (SWMS)	
Т	ASK OR ACTIVITY: Foundry Wo	rk	
Business Name: [Company Name]		ABN: [ABN]	SWMS#
Business Address: [Company Address]			
Contact Person:	Phone: [Phone]	E il:	
THIS SAFE WORK METHOD	STATEMENT IS APPROVED BY	THE POST THE PROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a person conduct the proposed work starts.	cting a business or undertaking (N 3U) is	required to ure at 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 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 WMS. ST HAVE THE FOLLOWING COMMUNICATED		LL RELEVANT PERSONNEL WHO HAVE BI 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 conditional talks.	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.			



		CLI	ENT OR PRINCIPAL	CONTRACTOR D	ETAILS				
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.		M + M	is carried out on	or near chemical, fuel or refrig	erant lines.			
☐ involves demolition o	f an element of a structure	that is load-be n.		is carried out on or near energised electrical installations or services.					
☐ involves demolition o	f an element related to the	physical integrit of a str	3.	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	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 a	an area of a workplace where t	here is any movement of p	owered 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 drowning	ng.	☐ involves diving w	vork.				
		ANY HI	IGH-RISK MACHINER	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 -			





PERL NAL TECTIVE EQUIPMENT (PPE)

FOOT PROTECTION	HAND PROTECTION	HEAD PROTECTION	HEARING PPOTECTION	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.



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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, Exposure to hazardous substances	2M	 Conduct a thorough inspection of the work area to identify any potential slip, trip, or fall hazards and address them accordingly (e.g. unerth surfaces, cluttered areas, or wet floors). Provide clear signage and barriers around centified slip, trip, and fall hazards to ensure workers are aware of any risks. Ensure all workers wear appropriate Persona and ctive Equipment (PPE), such as slip-resistant footwear and roloves, to minimiss nituries from the strips, and falls. Regularly clean and maintain a work area to present the drup of clutter, debris, or slippery substances to mould one a hazard. Implement resignized he takeep a procedure including timely clean-up of spills, placeful to fools at material in designated storage spaces, and proper disposal of wa. Provers adequate outing in the work area to ensure all hazards are clearly visible to works. Condit from fing word training on safe practices for prevention of slips, trips, and falls, as all as the proper handling of hazardous substances. Design and ensurce safety rules for workers handling hazardous substances, which is the instructions on proper usage, storage, and transportation of these hemicals. Legip the work area with appropriate ventilation systems to prevent the accumulation of hazardous fumes or vapors. Clearly label containers holding hazardous substances, outlining their contents and associated health risks, along with information on proper handling measures. Provide Material Safety Data Sheets (MSDS) for all hazardous substances used within the foundry and ensure workers have access to them. Regularly monitor exposure levels to hazardous substances and take necessary actions to eliminate or reduce exposure if levels exceed relevant safety regulations. Plan and conduct regular safety drills to prepare workers for potential emergency situations involving slips, trips, falls, and hazardous substance exposure. Encourage repo	1L	
2. Melting Metal	Burns, Fumes from melting process	3Н	 Proper Personal Protective Equipment (PPE): Ensure that workers wear appropriate PPE such as heat-resistant gloves, safety goggles, face shields, aprons, and footwear to protect against burns and contact with hot materials. Ventilation System: Properly maintain and monitor the ventilation system to remove harmful fumes produced during the melting process, ensuring air quality is within acceptable limits. 	2M	



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			- Training and Supervision: Provide regular training to workers on safe handling of molten metal, potential hazards, and emergency procedures. Maintain a supervision system to ensure adherence to safety protocols.		
			- Pre-Heating Crucibles and Ladles: Before states of the melting process, pre-heat crucibles and ladles to avoid thermal shock pattering, and possible steam explosions that may cause burns.		
			- Temperature Monitoring: Constantly monitor prevent overheating and reduce the risk of splassing and contamburns.		
			- Safe Lifting Techniques: Ensemble workers utilise plant and pouring molten metal sluce risk of spills and red injuries.		
			- Emergency F wash States and lire Exting elers: Install emergency eyewash stations and dessible fire tinguishes in joundry work area for immediate accessin case diaccide or fires.		
			- Res and Acce until access to the foundry work area to authorised personnel only, and a sure the chave been trained in safety protocols and emergency procedules.		
			First A. Kit a. Burn reatment Supplies: Ensure that a well-stocked first aid kit, hading urn trained in how to use them correctly.		
			Regular maintenance and Inspection: Regularly inspect and maintain all foundry experiment, including furnaces, crucibles, and ventilation systems, to identify and recurry any safety hazards, malfunctions, or potential issues before they escalate.		
			- Proper Ventilation: Install adequate ventilation systems in the foundry work area to ensure that dust from mould materials is effectively removed and not inhaled by workers. This may include using exhaust fans or air purification systems.		
			- Personal Protective Equipment (PPE): Workers should wear suitable PPE such as dust masks, goggles, and gloves to protect themselves from mould material dust and other airborne particles.		
3. Mould Making	Mould materials dust, Back strains from lifting heavy objects	2M	- Training on Safe Lifting Techniques: Conduct regular training sessions for foundry workers on appropriate lifting techniques to prevent back strains and injuries when handling heavy objects. This may involve teaching correct posture, bending at the knees, and using mechanical aids if necessary.	1L	
			- Use of Mechanical Lifting Aids: Provide equipment like trolleys, hoists, or forklifts to assist workers in moving heavy objects, reducing the risk of back strain or injury due to manual lifting.		
			- Regular rest breaks: Encourage workers to take regular rest breaks to minimise fatigue and reduce the likelihood of back strains from continuous heavy lifting.		
			- Appropriate Workstations: Ensure workstations are set up ergonomically with adjustable height surfaces to minimise bending or reaching during mould making processes.		



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			- Maintain a clean and tidy work environment: Regularly clean and maintain the foundry workspace to minimise the buildup of excess mould material dust and debris.		
		- Hazard Communication Programme: Developing a implement a hazard communication programme to ensure that the wers are aware of the risks associated with mould material dust and the appropriate control mountains in place.			
			 Regular Workplace Inspections: Conduct rough corkplace inspections to identify potential hazards, evaluate existing control measures, and ensure their effectiveness in mitigating risks. Enforce Proper Herman apping actices: Create an enforce strict housekeeping 		
			protocols within a found, for present storage and disposal of mould materials, reducing over dust levels the warea.		
		- Pre-shift Wan, up: Enc. age worke perform warm-up exercises or stretches before paging her lifting to prevent muscle injuries and strains.			
			- Imple teeing a Je. Rotation System: Establish a job rotation system that allows worken to select the end different tasks throughout their shifts, reducing repetitive strain of specific music groups and decreasing the risk of back injuries related to antinuous hear lifting.		
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1. Pouring	Splashes of molten metal, Heat exhaustion	3H		2M	
1. Pouring		ЗН		2M	



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5. Solidification	Exposure to high temperatures, Hot metal handling	ЗН		1L	



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6. Cleaning	Mould debris, air borne particulates	2M		1L	
o. Oldaning	mode dobito, all bottle particulates	ZIVI			



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7. Finishing	Flying debris, exposure to noise from machinery	2M		1L	



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8. Grinding & Fettling	Emissions from grinding, contact with rotating equipment	2M		1L	

Review Date:



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9. Inspection	Eye strain, repetitive motions	1L		1L	



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10. Storage	Manual handling injuries, falling objects	2M		1L	



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11. Packaging	Contact with sharp edges, ergonomic issues	1L		1L	



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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	PERSON NAME OF PERSON
12. Shipping	Heavy lifting, Vehicle-related accidents	2M		1L	



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	5				



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.gld.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/legislative

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/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 al. Safety Act

Occupational Health and afety gulations 2017

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

<u>Julai.</u>

des on actice VI autros://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	Pos	sition	Signature	Date	Time	Sup	pervisor	
				Date:				
				l te:				
			AV	Date:				
				Date:				
				Date:				
	Date:							
	SAF WO A STHED STATEMENT MONITORING AND REVIEW							
The SWMS must be reviewed regularly to the ke sure it remains effective and must be reviewed (and revised if necessary) if relevant control measure are a curve, and a process should be carried out in consultation with workers (including contractors are subcontractors) who may be affected by the operation of the SWMS and their health and safety representatives who redesented 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 sections.			
Responsible person is assigned and listed on the SWMS for the imperent of contameasures.			
Permit requirements specified, such as Hot Work, Electrical Work, Vorat 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 raining 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 CC	MPLETED	