



Conduct Induction Hea	ting   SAFE WORK METHO	D STATEMENT (SWMS)	
TASK C	OR ACTIVITY: Conduct Induction	Heating	
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 undo	required to en ethat 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	poliance the VMS a well as review	es 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 PERSONN EVELOPMENT AND APPROVAL OF	EL WHO HAVE BEEN CONSULTED AND CO	OMMUNICATED TO IN THE
Safety meetings or toolbox talks will be sched ed in accomply with gislative requirements to first identify any site hazards, hazards and then to further take steps to either eliminate or continuate hazard.			
If an incident or a near miss occurs, all work must sto, an atately. 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	Exposure to loud noises, Risk of electrocution from improperly grounded equipment	3H	<ul> <li>Conduct a pre-start meeting to discuss pote and hazards and control measures with all team members.</li> <li>Ensure all personnel are equipped with appropriate a conal protective equipment (PPE) such as ear protection, insulated gloves, and non-conductive of using.</li> <li>Regularly inspect all equipment for proper grouning and contain before use.</li> <li>Implement administrative contains, including work in the stoll limit exposure time to loud noises.</li> <li>Use signage to carriy may high ask zones and restrict access to authorised personnel only.</li> <li>Maintain equament in accordance with the canufacturer's guidelines to ensure safe operation.</li> <li>Instrunginesing contains like sound carriers or acoustic foam to reduce noise levels at the source.</li> <li>Provincy inling strafe handling and emergency procedures related to induction heating operations.</li> <li>Test starting system for proper grounding using reliable multimeters or testing devices.</li> <li>Design e also tylofficer to oversee compliance and safety practices during operations.</li> <li>Examples clear communication protocols using hand signals or communication devices to minimise verbance interference.</li> <li>Set up barriers or enclosures around the work area to prevent unauthorised entry and protect by anders.</li> <li>Schedule regular health checks for workers exposed to noise, ensuring ongoing hearing protection assessments.</li> <li>Apply lockout/tagout procedures during equipment maintenance or adjustment to prevent accidental start-up.</li> </ul>	2M
2. Equipment Setup	Risk of burns from hot materials, Equipment malfunction causing potential injury	3Н	<ul> <li>Conduct a thorough pre-operation equipment inspection to identify any faults or potential hazards.</li> <li>Ensure all workers are wearing appropriate personal protective equipment (PPE), such as heat-resistant gloves and face shields.</li> <li>Set up clear and visible safety barriers around the equipment to keep unauthorized personnel away.</li> <li>Train all personnel involved in induction heating on safe operating procedures and emergency protocols.</li> <li>Regularly verify that all safety devices and interlocks on the equipment are functioning correctly.</li> <li>Position fire extinguishers and other firefighting equipment nearby and ensure they are easily accessible.</li> <li>Keep the work area tidy and free from any flammable materials to reduce the risk of fire.</li> <li>Ensure proper ventilation in the work area to prevent the buildup of hazardous fumes.</li> <li>Use insulated tools and equipment when handling hot materials to minimise burn risks.</li> <li>Clearly label hot surfaces and components to alert workers of potential dangers.</li> </ul>	2M



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			- Implement a lockout/tagout procedure during equipment maintenance to avoid accidental operation.	
			- Establish a communication plan for workers to quickly report any equipment malfunction or safety concern.	
3. Induction Coil Placement	Accidental contact with hot surface, Incorrect coil placement might lead to equipment failure	ЗН	<ul> <li>Ensure all personnel are trained in proper siluction here ig procedures and safety protocols.</li> <li>Use insulated gloves specifically designed for sight imperatures to handle equipment.</li> <li>Clearly mark hot surfaces with appropriate warre it signs or hours.</li> <li>Establish a safe perimeter are not the work area to be an accidental contact by unauthorised personnel.</li> <li>Perform regret maintenance check to ensure oils are in good condition and functioning correctly.</li> <li>Use non-connective tools when instance adjusting the induction coil to prevent heat conduction.</li> <li>Correct a risk and ment prior to commencing any work involving induction heating.</li> <li>Implication lockor agout procedure during coil installation and removal to prevent accidental activation.</li> <li>Provide clear actructions and diagrams for correct coil placement to all operators.</li> <li>Use the real barriers or heat shields to protect nearby surfaces and equipment from radiated heat.</li> <li>Regulant inspect connections and fittings to ensure they are secure and not compromised.</li> <li>The air protective clothing that covers exposed skin to reduce the risk of burns from radiant heat.</li> <li>Ensure emergency stop buttons are clearly visible, easily accessible, and functional.</li> <li>Supervise new employees closely during their initial operations to ensure adherence to safety protocols.</li> </ul>	2M
4. Power On Induction Heater	Electrical shock, Overheating of the device leading to fire risk	ЗН		2M



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5. Heated Material Handling	Risk of Burns, Drowling heavy material on foot	4A		3Н
6. Inspection	Eye injuries from sparks or hot particles, Exposure to excessive heat	3H		2M



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7. Post-Heating Cool down	Risk of Burns from hot equipment, Slipping on wet surfaces during cool down phase	ЗН		2M



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8. Cooldown Inspection	Inhalation of fumes from cooling materials, Unprotected handling might lead to skin allergies			1L
9. Turn Off Equipment	Electric shock, Potential for trapped heat in the equipment can cause burns	2M		1L



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				•
10. Maintenance	Uncontrolled release Zardous energy, Accidental activation of equipment	ЗН		2M
11. Troubleshooting	Accidental activation causing injury, Electrical shocks	ЗН		2M



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12. Shutdown	Accidental start-up causing injury, Electrical hazards related to improper shutdown	3H		1L



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13. Cleanup	Tripping over mistance during harmful substance during	2M		1 1L
14. Incident Reporting	Delay in treatment due to late reporting, Miscommunication can lead to bigger accidents	2M		1L



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15. Worker Debrief	Missed instructions may risk safety, Tiredness and distraction can increase risks	2M		1L



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16. Storage	Improper storage can cause potential injuries or fire hazard, Mishandling of heated materials might lead to burns			1L



#### **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/legislatide

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

#### **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: <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 afety gulations 2017

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

gulat

des on actice VI autps://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 pulleted.		
Check control measures added to the SWMS are the most effective selectives		
Responsible person is assigned and listed on the part the important part ation 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 a noted on the SWMS.		
Describes any mandatory qualifications, experience, 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 REVIEW	WED
SIGNATURE	DATE COMPLI	ETED