

## Install Gas Appliances Risk Assessment

Business Name:	ABN:	
Business Address:		
Contact Person:	Phone:	Email:

## THIS RISK ASSESSMENT IS APPROVED BY THE PCBU ON THIS PROJECT

Under the Work Health and Safety Regulation (WHS Regulation), a person conducting a business or undertaking (PCBU) is required to ensure that a RISK ASSESSMENT is prepared before the proposed work starts.

Full Name:		
Signature:	Title:	Date:

## CLIENT OR PRINCIPAL CONTRACTOR DETAILS

Client:	SCOPE OF WORKS
Project Name:	
Project Address:	
Project Manager:	
Contact Phone:	
Date Risk Assessment supplied to Project Manager:	

RISK MATRIX									
LIKELIHOOD	INSIGNIFICANT	MINOR	MODERATE	MAJOR	CATASTROPHIC	SCORE	ACTION	HIERARCHY OF CONTROLS	
ALMOST CERTAIN	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4 ACUTE			<b>Elimination</b> Remove the hazard.	
LIKELY	2 MODERATE	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4A ACUTE	DO NOT PROCEED	<b>Substitution</b> Replace the hazard.	
POSSIBLE	1 LOW	2 MODERATE	3 HIGH	4 ACUTE	4 ACUTE	3H HIGH	Review before work starts.	Isolation Isolate People from the hazard	
UNLIKELY	1 LOW	1 LOW	2 MODERATE	3 HIGH	4 ACUTE	2M MODERATE	Ensure control measures in place.	<b>Engineering</b> Isolate the hazard	
RARE	1 LOW	1 LOW	2 MODERATE	3 HIGH	3 HIGH	1L LOW	Monitor and keep records.	<b>Administrative</b> Change	
								<b>PPE</b>	

### Risk Rating & Required Action:

4A	Stop work. The risk is intolerable. Eliminate the hazard or redesign the activity before proceeding. A Safe Work Method Statement (SWMS) or higher-level authorisation is required.
3H	Review and approve additional controls before task starts. Senior supervisor sign-off needed.
2M	Ensure all nominated controls are in place and effective. Proceed with caution; monitor conditions.
1L	Proceed, following standard operating procedures. Monitor and keep records.

### Consequence Scale:

Consequence	People (injury/illness)	Project / Assets	Compliance / Reputation
Catastrophic	Fatality or permanent total disability	project shutdown	Significant regulator intervention; criminal prosecution
Major	Serious injury/illness (hospital > 5 days)	critical delay	Improvement notice; major media coverage
Moderate	Medical-treatment injury; lost-time > 1 day	moderate delay	Minor breach; adverse client comment
Minor	First-aid only, no lost time	negligible delay	Isolated non-conformance
Insignificant	No injury	no schedule impact	Deviation caught and corrected on site

### Notes on Hierarchy of Controls:

Remember to apply controls in the preferred order shown by the coloured pyramid:

- Eliminate**
- Substitute
- Isolate
- Engineering
- Administrative
- PPE

Always document **why** a lower-order control is accepted if elimination or substitution is not reasonably practicable.

*aligned with Safe Work Australia's Managing the risk of fatigue at work (2023) and ISO 45001:2018 clauses 6–8.*

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	Inadequate planning, Missing equipment	3H	<ul style="list-style-type: none"> <li>- Conduct a thorough job briefing</li> <li>- Verify all necessary permits are obtained</li> <li>- Use a checklist to confirm all tools and equipment are available</li> <li>- Ensure all personnel are trained for the task</li> <li>- Carry out a risk assessment with the team</li> <li>- Schedule the activity considering weather conditions</li> <li>- Arrange for supervision throughout the task</li> <li>- Confirm emergency procedures are in place</li> <li>- Ensure hazard information is provided to all workers</li> <li>- Confirm communication methods are clear</li> </ul>	2M
2. Transportation of Gas Appliances	Physical strain, Traffic incidents	3H	<ul style="list-style-type: none"> <li>- Use mechanical aids for heavy lifting</li> <li>- Ensure the vehicle is suitable and well-maintained</li> <li>- Secure the load properly to prevent movement during transit</li> <li>- Use a spotter when reversing the vehicle</li> <li>- Plan the route to avoid high-traffic areas</li> <li>- Monitor weather conditions and drive accordingly</li> <li>- Ensure the driver has sufficient rest</li> <li>- Load and unload with proper equipment</li> <li>- Conduct regular vehicle checks</li> <li>- Follow all road safety rules</li> </ul>	2M
3. Site Inspection	Slips and trips, Exposure to dust	3H	<ul style="list-style-type: none"> <li>- Wear PPE such as protective footwear and face masks</li> <li>- Keep the work area tidy</li> <li>- Ensure adequate lighting</li> <li>- Identify potential trip hazards</li> <li>- Use non-slip mats where necessary</li> <li>- Vacuum up dust regularly</li> <li>- Review safety and emergency procedures</li> <li>- Control access to hazardous areas</li> </ul>	1L

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			<ul style="list-style-type: none"> <li>- Use handrails on stairs</li> <li>- Regularly inspect the worksite for new hazards</li> </ul>	
4. Safety Induction	Lack of awareness, Misunderstanding procedures	3H	<ul style="list-style-type: none"> <li>- Conduct safety induction for all workers</li> <li>- Provide clear instructions on site rules and procedures</li> <li>- Ensure all workers understand the importance of safety</li> <li>- Display safety signs and symbols</li> <li>- Provide personal protective equipment (PPE) and ensure it is worn correctly</li> <li>- Establish a safe working area</li> <li>- Implement a permit-to-work system for high-risk tasks</li> <li>- Conduct regular safety meetings and toolbox talks</li> <li>- Encourage workers to report any hazards or incidents</li> <li>- Provide first aid training and equipment</li> <li>- Establish a clear communication system</li> <li>- Ensure all workers are trained in emergency procedures</li> <li>- Conduct a risk assessment for all tasks</li> <li>- Implement a fall protection system</li> <li>- Use safety barriers and signage to restrict access to hazardous areas</li> <li>- Provide training on the correct use of tools and equipment</li> <li>- Establish a system for managing changeover</li> <li>- Conduct a pre-start check of all equipment</li> <li>- Implement a lockout/tagout system</li> <li>- Provide training on the correct use of ladders</li> <li>- Establish a system for managing confined spaces</li> <li>- Use safety harnesses and fall arrest systems</li> <li>- Provide training on the correct use of heavy machinery</li> <li>- Establish a system for managing hot work</li> <li>- Use fire extinguishers and fire blankets</li> <li>- Provide training on the correct use of electrical equipment</li> <li>- Establish a system for managing excavation work</li> <li>- Use shoring and trench shields</li> <li>- Provide training on the correct use of power tools</li> <li>- Establish a system for managing lifting operations</li> <li>- Use lifting equipment and techniques</li> <li>- Provide training on the correct use of forklifts</li> <li>- Establish a system for managing vehicle safety</li> <li>- Use seatbelts and safety barriers</li> <li>- Provide training on the correct use of vehicles</li> <li>- Establish a system for managing pedestrian safety</li> <li>- Use pedestrian crossings and signage</li> <li>- Provide training on the correct use of pedestrian crossings</li> <li>- Establish a system for managing pedestrian safety</li> <li>- Use pedestrian crossings and signage</li> <li>- Provide training on the correct use of pedestrian crossings</li> </ul>	2M
5. Securing Site	Unauthorised entry, interference with work	3H	<ul style="list-style-type: none"> <li>- Establish a secure perimeter around the worksite</li> <li>- Use barriers and signage to restrict access</li> <li>- Implement a permit-to-work system</li> <li>- Assign a site security officer</li> <li>- Conduct regular site inspections</li> <li>- Establish a system for managing access</li> <li>- Use keycards or fobs for access</li> <li>- Implement a system for managing visitors</li> <li>- Establish a system for managing subcontractors</li> <li>- Use a system for managing equipment and materials</li> <li>- Establish a system for managing waste</li> <li>- Implement a system for managing fire safety</li> <li>- Use fire extinguishers and fire blankets</li> <li>- Provide training on the correct use of fire equipment</li> <li>- Establish a system for managing first aid</li> <li>- Use first aid kits and equipment</li> <li>- Provide training on the correct use of first aid equipment</li> <li>- Establish a system for managing emergency procedures</li> <li>- Use emergency contact lists and equipment</li> <li>- Provide training on the correct use of emergency equipment</li> <li>- Establish a system for managing site security</li> <li>- Use security cameras and equipment</li> <li>- Provide training on the correct use of security equipment</li> <li>- Establish a system for managing site safety</li> <li>- Use safety equipment and equipment</li> <li>- Provide training on the correct use of safety equipment</li> <li>- Establish a system for managing site hygiene</li> <li>- Use hygiene equipment and equipment</li> <li>- Provide training on the correct use of hygiene equipment</li> <li>- Establish a system for managing site environment</li> <li>- Use environmental equipment and equipment</li> <li>- Provide training on the correct use of environmental equipment</li> <li>- Establish a system for managing site noise</li> <li>- Use noise equipment and equipment</li> <li>- Provide training on the correct use of noise equipment</li> <li>- Establish a system for managing site vibration</li> <li>- Use vibration equipment and equipment</li> <li>- Provide training on the correct use of vibration equipment</li> <li>- Establish a system for managing site air quality</li> <li>- Use air quality equipment and equipment</li> <li>- Provide training on the correct use of air quality equipment</li> <li>- Establish a system for managing site lighting</li> <li>- Use lighting equipment and equipment</li> <li>- Provide training on the correct use of lighting equipment</li> <li>- Establish a system for managing site temperature</li> <li>- Use temperature equipment and equipment</li> <li>- Provide training on the correct use of temperature equipment</li> <li>- Establish a system for managing site humidity</li> <li>- Use humidity equipment and equipment</li> <li>- Provide training on the correct use of humidity equipment</li> <li>- Establish a system for managing site dust</li> <li>- Use dust equipment and equipment</li> <li>- Provide training on the correct use of dust equipment</li> <li>- Establish a system for managing site odour</li> <li>- Use odour equipment and equipment</li> <li>- Provide training on the correct use of odour equipment</li> <li>- Establish a system for managing site noise</li> <li>- Use noise equipment and equipment</li> <li>- Provide training on the correct use of noise equipment</li> <li>- Establish a system for managing site vibration</li> <li>- Use vibration equipment and equipment</li> <li>- Provide training on the correct use of vibration equipment</li> <li>- Establish a system for managing site air quality</li> <li>- Use air quality equipment and equipment</li> <li>- Provide training on the correct use of air quality equipment</li> <li>- Establish a system for managing site lighting</li> <li>- Use lighting equipment and equipment</li> <li>- Provide training on the correct use of lighting equipment</li> <li>- Establish a system for managing site temperature</li> <li>- Use temperature equipment and equipment</li> <li>- Provide training on the correct use of temperature equipment</li> <li>- Establish a system for managing site humidity</li> <li>- Use humidity equipment and equipment</li> <li>- Provide training on the correct use of humidity equipment</li> <li>- Establish a system for managing site dust</li> <li>- Use dust equipment and equipment</li> <li>- Provide training on the correct use of dust equipment</li> <li>- Establish a system for managing site odour</li> <li>- Use odour equipment and equipment</li> <li>- Provide training on the correct use of odour equipment</li> </ul>	1L
6. Unpacking Appliances	Manual handling injuries, Sharp edges	3H	<ul style="list-style-type: none"> <li>- Use manual handling techniques</li> <li>- Use lifting equipment and techniques</li> <li>- Establish a system for managing lifting operations</li> <li>- Use lifting equipment and techniques</li> <li>- Provide training on the correct use of lifting equipment</li> <li>- Establish a system for managing manual handling</li> <li>- Use manual handling equipment and equipment</li> <li>- Provide training on the correct use of manual handling equipment</li> <li>- Establish a system for managing sharp edges</li> <li>- Use sharp edge equipment and equipment</li> <li>- Provide training on the correct use of sharp edge equipment</li> <li>- Establish a system for managing site safety</li> <li>- Use safety equipment and equipment</li> <li>- Provide training on the correct use of safety equipment</li> <li>- Establish a system for managing site hygiene</li> <li>- Use hygiene equipment and equipment</li> <li>- Provide training on the correct use of hygiene equipment</li> <li>- Establish a system for managing site environment</li> <li>- Use environmental equipment and equipment</li> <li>- Provide training on the correct use of environmental equipment</li> <li>- Establish a system for managing site noise</li> <li>- Use noise equipment and equipment</li> <li>- Provide training on the correct use of noise equipment</li> <li>- Establish a system for managing site vibration</li> <li>- Use vibration equipment and equipment</li> <li>- Provide training on the correct use of vibration equipment</li> <li>- Establish a system for managing site air quality</li> <li>- Use air quality equipment and equipment</li> <li>- Provide training on the correct use of air quality equipment</li> <li>- Establish a system for managing site lighting</li> <li>- Use lighting equipment and equipment</li> <li>- Provide training on the correct use of lighting equipment</li> <li>- Establish a system for managing site temperature</li> <li>- Use temperature equipment and equipment</li> <li>- Provide training on the correct use of temperature equipment</li> <li>- Establish a system for managing site humidity</li> <li>- Use humidity equipment and equipment</li> <li>- Provide training on the correct use of humidity equipment</li> <li>- Establish a system for managing site dust</li> <li>- Use dust equipment and equipment</li> <li>- Provide training on the correct use of dust equipment</li> <li>- Establish a system for managing site odour</li> <li>- Use odour equipment and equipment</li> <li>- Provide training on the correct use of odour equipment</li> </ul>	2M

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7. Positioning Appliances	Musculoskeletal injuries, Electrical hazards	4A		2M
8. Connection to Gas Supply	Gas leaks, Explosions	4A		2M
9. Electrical Connection	Electric shock, Faulty wiring	4A		2M

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3H

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13. Final Inspection	Overlooked defects, System failures	3H		1L
14. Debriefing	Ignoring feedback, Incomplete documentation	3H		1L
15. Maintenance Scheduling	Missed maintenance, Delays in service	3H		1L

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			<div></div> <div></div> <div></div> <div></div> <div></div> <div></div>	

SAMPLE



## 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 IF ANY STATE THAT 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>

### Victoria

Occupational Health and Safety Act 2004

Occupational Health and Safety Regulations 2017

Legislation VIC: <https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and-regulations>

Codes of Practice VIC: <https://www.worksafe.vic.gov.au/compliance-codes-and-codes-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/legislation>

Codes of Practice NSW: <https://www.safework.nsw.gov.au/resource-library/list-codes-of-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>

### Northern Territory

Work Health and Safety (National Uniform Legislation) Act 2011

Work Health and Safety (National Uniform Legislation) Regulations 2011

Legislation NT: <https://worksafe.nt.gov.au/laws-and-compliance/workplace-safety-laws>

Codes of Practice NT: <https://worksafe.nt.gov.au/laws-and-compliance/codes-of-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

### 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/legislation>

Codes of Practice for SA: <https://www.safework.sa.gov.au/workplaces/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.