

Inside Tanks Or	Other Confined Vessels R	tisk Assessment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Ema:	
THIS RISK ASSESSM	MENT IS APPROVED BY THE PC	BU ON W PROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a pis prepared before the proposed work starts.	person conducting a busine or un	ndertaking PCBU required to ensu	re that a RISK ASSESSMENT
Full Name:			
Signature:		ritle:	Date:
CL	OR PRI. CIL L. CO. TRACTOR I	DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project N.			

Version 2.5 Authorised by Review # Review Date:



RISK MATRIX LIKELIHOOD INSIGNIFICANT MINOR MODERATE MAJOR CATASTROPHIC HIERARCHY OF CONTROLS SCORE ACTION Elimination ALMOST 3 HIGH 3 HIGH 4 4 ACUTE ACUTE ACUTE **CERTAIN** Remove the hazard. Substitution 4 4 DO NOT Replace the hazard. LIKELY MODERATE HIGH HIGH ACUTE ACUTE ACUTE ROCEED Isolation Isolate People from the hazard 2 3 4 3H Rev before POSSIBLE MODERATE ACUTE ACUTE LOW HIGH HIGH. work Engineering Isolate the l/Acchanich. Ensure control 2 3 2M istrativ UNLIKELY measures in LOW LOW MODERATE HIGH ACU RATE е place. Chang 2 MODERATE 3 HIGH 1L Monitor and RARE LOW LOW LOW keep records.

Risk Rating & Required Action:

4A	Stop work. The risk is intolerable,	minate the hazard	redesign the activity before proceeding. A Safe Work
	Method Statement (SWMS) or hime	er-level authorisation	is required.
3H	Review and approve additional c	role 'ask	arts. Senior supervisor sign-off needed.
2M	Ensure all nominated controls are in-	prace and effective	Proceed with caution; monitor conditions.
1L	Proceed, following standard operating	ig procedure // Ion	itor 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:

- 1. Éliminate
- 2. Substitute
- 3. Isolate
- 4. Engineering
- 5. Administrative
- 6. 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 hazard identification, Improper equipment selection	ЗН	- Conduct a thorough hazard assessment before entoing - Ensure all personnel are briefed about potent's wazards - Select appropriate PPE based on hazard assessment - Establish communication plans with entry an utage y personnel - Secure entry permits signed by authorised personnel - Confirm all equipment is fit for surpose through inscrete - Ensure emergers response plan are in place - Verify all prominel have impleted unfine a pace training - Ensure all equipment is ested and tage of a lider. As nergen a exits and alternate escape routes	2M
2. Isolation	Contamination from residues Improper lockout/tagout processors	3)	- Ensure all energy sources are isolated - crify to kout/to out processes are implemented Drain of the and purge tanks of hazardous materials - ccure all valves in a closed position using locks - De-energise all electrical circuits - Implement double block and bleed systems if applicable - Set up barriers and signage to prevent accidental entry - Conduct a final verification of isolation by a competent person - Provide ventilation to ensure contaminants are not present - Document isolation procedures as per site policies	2M
3. Ventilation	Oxygen deficiency or enrichment, Accumulation of toxic gases	4A	 Utilize forced ventilation systems to introduce fresh air Continually monitor atmospheric conditions inside the tank Calculate and confirm appropriate ventilation rates Ensure portable gas detectors are calibrated Position exhaust outlets away from other work areas Train personnel on emergency procedures for atmospheric monitoring alarms Periodically test air quality at various points within the tank Suspend work activities if air quality falls below accepted levels 	3H



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			- Implement continuous supervision to oversee ventilation efficiency - Maintain logs of all atmospheric monitoring results.	
4. Entry	Slips and falls from ladders or steps, Entrapment during entry	3H	- Maintain logs of all authospheric monitoring results	2M
5. Work Execution	Exposure to hazar sus chemicals, Use of incompatible to	ЗН		2M
6. Emergency Preparedness	Inadequate emergency response, Insufficient first aid facilities	4A		2M



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7. Gas Monitoring Maintenance	Failure of monitoring equipment, Inaccurate gas readings	3H		1L
8. Communication	Miscommunication, ue to for the ses, Lack of communication, ue to for the ses,	зн		2M
9. Atmospheric Testing	False readings from equipment, Exposure to hazardous gases	4A		2M



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10. Supervision and Monitoring	Unnoticed safety violations, Lack of accountability	зн		2M
11. Rescue and Retrieval	Delayed rescue response, Improper rescue techniques	4A		ЗН
12. Lighting	Inadequate lighting, Glare affecting visibility	ЗН		2M



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13. Fall Protection	Falls from height, Failure of fall arrest systems	3Н		2M
14. De-Isolation	Accidental re-energisation Contact ant release	ЗН		1L
15. Housekeeping	Trips over equipment, Spills leading to slips	2M		1L



8

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16. Post-Work Review	Inadequate documentation, Unreported incidents	2M		1L
17. Worker Competency	Lack of training, Misunderstanding of procedures	зн		2M
18. Permits and Documentation	Incomplete permits, Falsified records	3H		2M



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19. Equipment Checkout	Use of faulty equipment, Misplaced equipment	зн		1L
20. Demobilisation	Leaving hazards unaddressed, Damage to equipment	ЗН		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/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 2011

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/legislation

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 afety gulations 2017

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

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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