

Work Ir	n Radiation Areas Risk Ass	essment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Emai	
THIS RISK ASSESSI	MENT IS APPROVED BY THE PCI	BU ON W PROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a is prepared before the proposed work starts.	person conducting a busine or un	ndertaking PCBU required to ensu	ire that a RISK ASSESSMENT
Full Name:			
Signature:		ritle:	Date:
CLY	OR PRI. CIN. L. CO. TRACTOR I	DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project N			



RISK MATRIX								
LIKELIHOOD	INSIGNIFICANT	MINOR	MODERATE MA	JOR CATASTROPH			HIERARCHY OF CONTROLS	
ALMOST CERTAIN	3 HIGH	3 HIGH		4 4 JTE ACUTE	SCORE	ACTION	Elimination Remove the hazard.	
LIKELY	2 MODERATE	3 HIGH	U U U U U U U U U U U U U U U U U U U	4 4 JTE ACUTE	4A ACUTE	DO NOT PROCEED	Substitution Replace the hazard. Isolation	
POSSIBLE	1 LOW	2 MODERATE		4 JTE ACUTE	3H HIGH	Rev before work art	Isolate People from the hazard Engineering Isolate the	
UNLIKELY	1 LOW	1 LOW		3 Z GH ACU E	MC RATE	Ensure control measures in place.	Activité istrativ e Chang	
RARE	1 LOW	1 LOW		3 GH H. 1	1L LOW	Monitor and keep records.	PP	
Risk Rating & Required Action:         4A       Stop work. The risk is intolerable, cominate the hazard predesign the activity before proceeding. A Safe Work Method Statement (SWMS) or hit er-level authorisation is required.         3H       Review and approve additional controls to consultation is required.         2M       Ensure all nominated controls are imprace and efficience. Proceed with caution; monitor conditions.         1L       Proceed, following standard operating procedures Monitor and keep records.							Notes on Hierarchy of Controls:         Remember to apply controls in the preferred order shown by the coloured pyramid:         1.       Eliminate         2.       Substitute         3.       Isolate         4.       Engineering         5.       Administrative         6.       PPE	
Consequence		injury/illness)	Project / Ass	Significant regula	pliance / Reputat ator intervention; c		Always document why a lower-order control is accepted if	
Catastrophic Major	Fatality or perma Serious injury/illr days)			wn prosecution	tice; major media		elimination or substitution is not reasonably practicable. aligned with Safe Work Australia's Managing the risk of fatigue at	
Moderate	Medical-treatmen	nt injury; lost-tim	e > 1 moderate dela	y Minor breach; ad	Minor breach; adverse client comment		work (2023) and ISO 45001:2018 clauses 6–8.	
Minor	First-aid only, no	lost time	negligible dela	y Isolated non-con	formance			
			no schedule					



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	lack of training, unaware of radiation sources	ЗН	<ul> <li>Conduct radiation safety training for all workers</li> <li>Provide information on radiation sources and usects</li> <li>Ensure workers understand radiation sign be</li> <li>Supply radiation equipment manuals</li> <li>Implement a buddy system for new workers</li> <li>Review safety procedures before task commencel on the</li> <li>Assign qualified opervice for obvight</li> <li>Regular britings on potential hazat</li> <li>Demonstrate are of potential dosimets</li> <li>Assis is impletent post-training</li> </ul>	2М
2. Access Control	unauthorised access, inadequate signage	21	<ul> <li>Estable in secured access points</li> <li>Estable in secured access points</li> <li>Estable in secured access points</li> <li>Issue access to authorised personnel only</li> <li>Ionitor access with security cameras</li> <li>Conduct regular audits on access control</li> <li>Daily checks of signage visibility and integrity</li> <li>Install radiation hazard flashing lights</li> <li>Restrict access to non-essential personnel</li> <li>Provide security personnel training</li> <li>Create a log of all personnel entering/exiting</li> </ul>	2M
3. Use of Personal Protective Equipment (PPE)	PPE not worn, incorrect PPE	ЗH	<ul> <li>Provide PPE training sessions</li> <li>Stock a variety of PPE sizes</li> <li>Regularly inspect PPE for damage</li> <li>Enforce PPE compliance checks</li> <li>Display PPE requirement signs</li> <li>Offer refresher courses on PPE use</li> <li>Designate a PPE officer to ensure compliance</li> <li>Keep PPE user manuals accessible</li> </ul>	1L



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			- Replace PPE as per manufacturer recommendations	
			- Conduct spot checks for PPE adherence	
4. Radiation Monitoring	equipment malfunction, delayed detection	ЗН		2M
5. Emergency Procedures	unpreparedness, unmunication failure	44		2M
6. Signage and Labelling	inadequate warnings, illegible signs	ЗН		2M



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7. Decontamination Procedures	contaminated equipment, cross- contamination	ЗН		1L
8. Health Monitoring	late identification conealth in the insufficient monitoring	ВН		2M
9. Equipment Maintenance	equipment failure, poor calibration	ЗН		1L



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10. Waste Management	improper disposal, accumulation of waste	4A		2M
11. Environmental Controls	radiation leaks, environmental contamination	4A		2М
12. Safe Work Procedures	lack of clear procedures, deviation from procedures	3H		1L



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13. Lighting and Visibility	poor illumination, obstructed visibility	ЗН		1L
14. Worker Rotation and Breaks	fatigue, overexposure	4A		2M
15. Communication Systems	system failure, insufficient coverage	ЗН		1L



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16. Worker Education and Training	knowledge gaps, outdated information	ЗН		2M
	•			
17. Reporting and	incomplete records, delayed incident			
17. Reporting and Documentation	reporting	ЗH		1L
18. Security Measures	theft, sabotage	ЗH		1L



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19. Regular Audits	compliance failure, weak controls	ЗН		1L
20. Review and Feedback	policy stagnation, unaddressed issues	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.

	EFERENCES					
RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEGIS	SLATIVE REFERENCES ANY STATE AT ARE NOT APPLICABLE					
Queensland & Australian Capital Territory           Work Health and Safety Act 2011           Work Health and Safety Regulations 2011           Legislation QLD: <a href="https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws">https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws</a> Codes of Practice QLD: <a href="https://www.worksafe.qld.gov.au/laws-and-compliance/codes-of-practice">https://www.worksafe.qld.gov.au/laws-and-compliance/codes-of-practice</a> Legislation ACT: <a href="https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice">https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice</a> Codes of Practice ACT: <a href="https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice">https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice</a>	Victoria Occupational Health and Safety Action 4 Occupational Health and Safety Action 4 Decupational Health and Safety automations 2017 Legis from VIC: <u>https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and- gulations</u> Unles on mactice VIC <u>attps://www.worksafe.vic.gov.au/compliance-codes-and-codes-practice</u>					
New South Wales         Work Health and Safety Act 2011         Work Health and Safety Regulations 2017         Legislation NSW: <a href="https://www.safework.nsw.gov.au/legal-obligations/legislati-codes">https://www.safework.nsw.gov.au/legal-obligations/legislati-codes</a> Codes of Practice NSW: <a href="https://www.safework.nsw.gov.au/resource-library/lis">https://www.safework.nsw.gov.au/legal-obligations/legislati-codes</a>	Western Australia Work Health and Safety Act 2020 Work Health and Safety Regulations 2022 Legislation Western Australia: <u>https://www.commerce.wa.gov.au/worksafe/legislation</u> Codes of Practice WA: <u>https://www.commerce.wa.gov.au/worksafe/codes-practice</u>					
Northern Territory         Work Health and Safety (National Uniform Legislation) Act 2011         Work Health and Safety (National Uniform Legislation) Regulation 2011         Legislation NT: <a href="https://worksafe.nt.gov.au/laws-and-compliance/wd">https://worksafe.nt.gov.au/laws-and-compliance/wd</a> place-         Codes of Practice NT: <a href="https://worksafe.nt.gov.au/laws-and-compliance/wd">https://worksafe.nt.gov.au/laws-and-compliance/wd</a> place-         Codes of Practice NT: <a href="https://worksafe.nt.gov.au/laws-and-compliance/wd">https://worksafe.nt.gov.au/laws-and-compliance/wd</a> place-	Safe Work Australia Links Law and Regulation (All States): <u>https://www.safeworkaustralia.gov.au/law-and-regulation</u> Model Codes of Practice: <u>https://www.safeworkaustralia.gov.au/resources-publications/model- codes-of-practice</u> Model Codes of Practice					
South Australia Work Health and Safety Act 2012 (SA) Work Health and Safety Regulations 2012 (SA) Legislation for SA: <u>https://www.safework.sa.gov.au/resources/legislation</u> Codes of Practice for SA: <u>https://www.safework.sa.gov.au/work_aces/codes-of-practice#COPs</u>	<ul> <li>Model codes of Practice</li> <li>Managing noise and preventing hearing loss at work</li> <li>Confined spaces</li> <li>Labelling of workplace hazardous chemicals</li> <li>Managing risks of hazardous chemicals in the workplace</li> <li>Welding processes</li> </ul>					
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: <a href="https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations">https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations</a> Codes of Practice for TAS: <a href="https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice">https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice</a>	<ul> <li>Welding processes</li> <li>First aid in the workplace</li> <li>Managing the risk of falls at workplaces</li> <li>Hazardous manual tasks</li> <li>Managing the risk of falls in housing construction</li> <li>Managing electrical risks in the workplace</li> <li>Demolition work</li> <li>Excavation work</li> <li>Work health and safety consultation, cooperation and coordination</li> </ul>					
Details of permits, licenses or access required by regulatory bodies (add or delete as required): - Permits from local council - Authorisation to commence work	<ul> <li>Work relation and safety constitution, cooperation and coordination</li> <li>Managing the work environment and facilities</li> <li>How to manage work health and safety risks</li> <li>Managing risks of plant in the workplace</li> <li>Construction work</li> </ul>					