

Seismic	Survey Operations Risk As	sessment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Emai	
THIS RISK ASSESS	MENT IS APPROVED BY THE PC	BU OF TH PROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a is prepared before the proposed work starts.	person conducting a busine or ur	ndertaking PCBU required to ensu	ire that a RISK ASSESSMENT
Full Name:			
Signature:		ntle:	Date:
CL		DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project No.			



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 his er-level authorisatic is required.         3H       Review and approve additional cobrols to compare the proceed with caution; monitor conditions.         2M       Ensure all nominated controls are in prace and efficience of which caution; monitor conditions.         1L       Proceed, following standard operating procedurer wonitor and keep records.         Consequence Scale:							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		Always document why a lower-order control is accepted if
Catastrophic Major	Fatality or perma Serious injury/illr days)			wn prosecution	Significant regulator intervention; criminal prosecution Improvement notice; major media coverage		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	Deviation caught and corrected on site			



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	Equipment failure, Underground conditions	ЗН	<ul> <li>Conduct thorough equipment inspections before decoyment</li> <li>Train all personnel on equipment use and potential hazards</li> <li>Establish reliable communication channels or emergent situations</li> <li>Verify all equipment complies with relevant subtransidards</li> <li>Maintain an updated inventory of all equipment usite</li> <li>Implement regular maintenan uschedules for equipment</li> <li>Use equipment equipment is for transpecific site conditions</li> <li>Ensure back of equipment available on site</li> <li>Context pre-exercision uncettings to subdiss potential hazards</li> <li>Document and numerial incidents and near misses</li> </ul>	2М
2. Site Survey	Terrain instability, Environmental impacts	31	<ul> <li>Perfor a duriled sub-assessment prior to operations</li> <li>Ine satulite integery and topographical maps for accurate site evaluation</li> <li>Limit contional activities to predefined pathways</li> <li>Imploy environmental specialists to assess impact</li> <li>Implement erosion control measures</li> <li>Use appropriate machinery for terrain</li> <li>Train staff on recognizing and reacting to terrain hazards</li> <li>Regularly monitor environmental conditions during operations</li> <li>Establish a rapid response plan for environmental incidents</li> <li>Report any environmental concerns to relevant authorities</li> </ul>	2М
3. Crew Transport	Vehicle accidents, Fatigue	ЗН	<ul> <li>Implement daily vehicle checks before operation</li> <li>Use qualified and experienced drivers</li> <li>Enforce strict no-driving policies during adverse weather conditions</li> <li>Schedule frequent rest breaks to manage driver fatigue</li> <li>Plan routes to avoid hazardous areas</li> <li>Use GPS tracking devices in all vehicles</li> <li>Ensure all vehicles adhere to speed limits</li> <li>Provide defensive driving training to all drivers</li> </ul>	1L



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			- Monitor driver hours to prevent overwork	
			- Equip vehicles with emergency kits including first aid supplies	
4. Equipment Installation	Manual handling injuries, Equipment malfunction	ЗН		2M
5. Data Acquisition	Exposure to high thise levels, Data loss	ЗН		2М
6. Explosive Use	Explosion, Misfire	4A		2M

Version 2.5

Review #



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7. Data Processing	Incorrect data analysis, Software failure	ЗН		2М
8. Communication	Miscommunication, en	зн		2М
9. Shift Work	Fatigue, Shift overlap errors	ЗН		2M

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10. Emergency Procedures	Delay in response, Incorrect emergency actions	4A		2M
11. Equipment Maintenance	Equipment breakdown, Maintenance injuries	ЗН		2М
12. Waste Management	Contamination, Improper disposal	3Н		1L

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13. Weather Observation	Extreme weather, Inaccurate forecasts	ЗН		1L
14. Cultural Heritage Protection	Site disturbance, Non-compliance un regulations	ЗН		2M
15. Wildlife Management	Habitat disruption, Wildlife interference	ЗН		1L



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#### **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 LEGISL	ATIVE 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: 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 au Safety Act 204 Occupational Health and afety or gulations 2017 Legis from VIC: https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and- oular occupational-health-and-safety-act-and- oular occupational-health-and-safety-act-and- oular occupational-health-and-safety-act-and- oular occupational-health-and-safety-act-and- oular occupational-health-and-safety-act-and- oular occupational-health-and-safety-act-and- oular occupational-health-and-safety-act-and- oular occupational-health-and-safety-act-and- oular occupational-health-and-safety-act-and- occupational-health-act-act-act-and- occupational-health-act-act-act-act-act-act-act-act-act-act						
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/legislative">https://www.safework.nsw.gov.au/legal-obligations/legislative</a> Codes of Practice NSW: <a href="https://www.safework.nsw.gov.au/resource-library/lis">https://www.safework.nsw.gov.au/legal-obligations/legislative</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 2015 Legislation NT: <u>https://worksafe.nt.gov.au/laws-and-compliance/workplace-serve-laws</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/formediateserve-laws</u>	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-</u> <u>codes-of-practice</u>						
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>	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						
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>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 - Any required documents.	<ul> <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>						