

Charging A	nd Servicing Batteries Risk	Assessment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Emai	
THIS RISK ASSESSI	MENT IS APPROVED BY THE PC	BU OF Y 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:		ritle:	Date:
CL		DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project New			



				F	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
AA       Outpoint: The name is integrable, and the additional control additional control additional control and the additional control additionadditional control additional control additional control additiona						Remember to apply controls in the preferred order shown by the coloured pyramid: <ol> <li>Eliminate</li> <li>Substitute</li> <li>Isolate</li> <li>Engineering</li> </ol>	
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	work (2023) and ISO 45001:2018 clauses 6–8. 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		
				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	chemical exposure, trip hazards	ЗН	<ul> <li>Conduct a site inspection to identify and remove trianazards.</li> <li>Ensure all necessary PPE is available and user such as gloves and goggles.</li> <li>Review Safety Data Sheets (SDS) for all the mical substances involved.</li> <li>Conduct a toolbox talk on the associated risk approarety procedures.</li> <li>Ensure workers are trained in battery handling and charging metry.</li> <li>Assign a trained supervisor to prese the preparation provides.</li> <li>Follow all manufactanian procedures to avoid injury.</li> <li>Prepare specific for immediate response to recent a spills.</li> <li>Tester quality in ensure proper ventility on before proceeding.</li> <li>Ensure is unbille enzyment is in good repair and appropriate for task.</li> </ul>	2M
2. Disconnecting Batteries	electric shock, fire risk		<ul> <li>De-ent gise mulpment and lock out all power sources before disconnection.</li> <li>De instated was specifically designed for electrical work.</li> <li>Weak molepriate electrical PPE, including rubber gloves and face protection.</li> <li>Sollow manufacturer's instructions for battery disconnection protocols.</li> <li>Employ the buddy system to ensure immediate assistance if required.</li> <li>Implement proper grounding techniques to prevent static discharge.</li> <li>Check battery condition for leaks or swelling before handling.</li> <li>Ensure fire extinguishers and first aid kits are readily accessible.</li> <li>Conduct regular inspections and maintenance of battery connectors.</li> <li>Maintain a minimum clearance from flammable materials and substances.</li> </ul>	2М
3. Transporting Batteries	manual handling injuries, spills and leaks	ЗН	<ul> <li>Use mechanical aids like carts or forklifts for transporting heavy batteries.</li> <li>Adhere to proper lifting techniques for manual handling safety.</li> <li>Secure batteries correctly to prevent movement during transport.</li> <li>Inspect batteries for damage before and after transport.</li> <li>Avoid stacking batteries to minimise risk of toppling.</li> <li>Use spill containment trays to protect against leaks.</li> <li>Ensure trained personnel supervise the transportation process.</li> <li>Label and handle batteries in accordance with Dangerous Goods regulations.</li> </ul>	2M



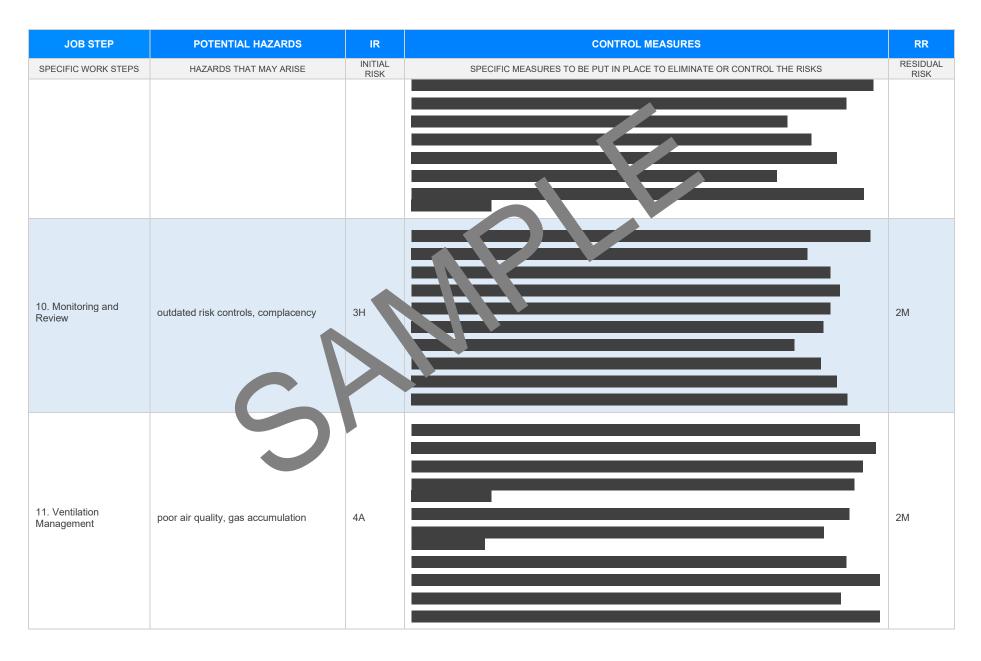
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			- Prohibit smoking and naked flames in the battery transport area.	
			- Conduct regular training on safe battery transport procedures.	
4. Charging Batteries	overcharging, explosive gas buildup	4A		2М
5. Servicing Batteries	acid exposure, chu ical but	4A		2М
6. Disposal of Batteries	environmental contamination, illegal disposal	ЗН		2M



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7. Maintenance of Charging Equipment	electrical faults, mechanical wear	ЗН		2М
8. Emergency Planning and Response	lack of preparedness, poor response coordination	4A		2М
9. Worker Training and Competency	lack of knowledge, inadequate skills	ЗН		2М

Version 2.5







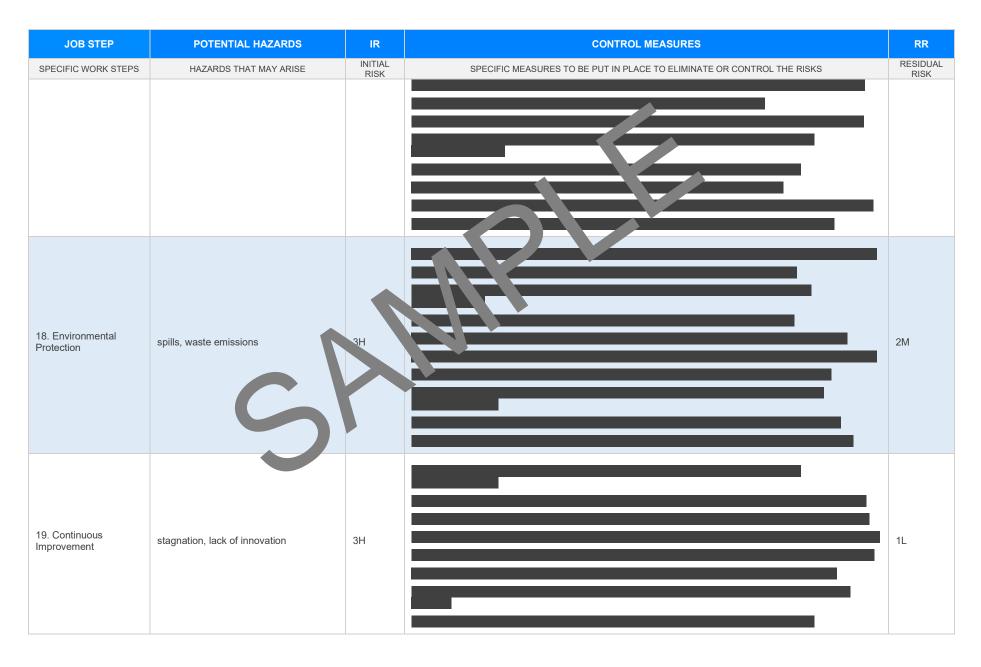
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12. Signage and Communication	lack of awareness, miscommunication	ЗН		2M
13. Personal Protective Equipment (PPE) Management	inadequate protection con-scapliance			2М
14. Equipment Calibration and Testing	inaccurate readings, faulty equipment	ЗН		2M



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15. Incident Reporting and Investigation	incomplete reporting, recurrence of incidents	ЗН		2M
16. Security Management of Charging Areas	unauthorised access, vandalism	ЗН		2M
17. Contractor Management	communication breakdown, mismatched procedures	ЗН		2M

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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.

	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 au Safety Act 204 Occupational Health and orfety regulations 2017 Legistron VIC: <u>https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and-oulates</u> Oulate S
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> racth         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-oi-</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: <u>https://worksafe.nt.gov.au/laws-and-compliance/workplace-serve-laws</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/laws-and-compliance/workplace-serve-laws</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/laws-and-compliance/workplace-serve-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- 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>Work health and safety consultation, 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>