

Working No	ear Running Engines Risk	Assessment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Ema.	
THIS RISK ASSESSI	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 ensur	re that a RISK ASSESSMENT
Full Name:			
Signature:		ritle:	Date:
CL	OR PRICE LCO. TRACTOR I	DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project Iv			



#### **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. Eliminate
- 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	Noise, Fumes	3H	- Conduct a pre-task safety meeting to address potential hazards.  - Ensure all workers have appropriate PPE including ear protection and masks.  - Clearly mark all areas where engines will curuning.  - Review Safety Data Sheets for any chemical performance.  - Establish a clear communication plan including and signals.  - Verify that first aid kits are accessible and staff know the cocations.  - Appoint a dedictor as any observant to monitor compliance.  - Review and address and engrency speedings.  - Limit prosultarine in a skimity to running engines.  - Ensure worker have participated in safety training.	2M
2. Setting Up Equipment	Manual Handling, Slipe	3)	<ul> <li>Use in that all aids treduce manual handling risks.</li> <li>Itearly relineat work areas to prevent unauthorised access.</li> <li>Main, an clean and organised worksite to prevent trips.</li> <li>Spect tools and equipment for defects before use.</li> <li>Wear non-slip footwear to prevent slipping.</li> <li>Store tools appropriately when not in use.</li> <li>Implement a buddy system for heavy lifting tasks.</li> <li>Ensure an adequate number of personnel for tasks involving heavy equipment.</li> <li>Regularly remove waste and obstacles from the working area.</li> <li>Verify the stability of any work surfaces.</li> </ul>	2M
3. Starting the Engine	Electrical Shock, Burns	4A	<ul> <li>Ensure all electrical connections are correctly and securely made.</li> <li>Conduct a visual check for any leaks or fuel smells.</li> <li>Provide training in safe starting procedures.</li> <li>Use appropriate PPE for handling electrical components.</li> <li>Establish a safe distance from running engines.</li> <li>Allow only trained personnel to start engines.</li> <li>Keep fire extinguishing equipment readily available.</li> <li>Train workers on the location and usage of emergency shut-off switches.</li> </ul>	2M



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			- Check that any tools used on engines are insulated.	
			- Identify and repair all defective electrical components.	
4. Operating Near Engines	Noise, Exhaust Emissions	4A		2M
5. Refueling Operations	Fire, Spills	4A		2M
6. Maintenance Tasks	Moving Parts, Chemical Exposure	4A		2M



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7. Verifying Functionality	Mechanical Failure, Noise	ЗН		1L
8. Cleaning the Site	Chemical Exposure, Slips	3H		<b>2</b> M
9. Final Inspection	Human Error, Mechanical Failure	3H		1L



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10. Concluding Work	Fatigue, Dehydration			2M
11. Emergency Preparedness	Panic, Delayed Response	4A		2M



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12. Monitoring Safety Compliance	Non-compliance, Accidents	3Н		1L
13. Secure Site Closure	Theft, Vandalism	ЗН		2M
14. Reporting and Feedback	Poor Communication, Lack of Improvement	3Н		2M



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15. Continuous Improvement	Complacency, Lack of Awareness	ЗН		1L
16. Demobilisation	Falling Objects, Traffic Movement	4A		2M
17. Documentation and Evaluation	Errors in Record-keeping, Data Loss	3H		1L



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18. Workforce Management	Work Overload, Poor Coordination	ЗН		1L
19. Decommissioning	Structural Instability, Asbestos	4A		2M
20. Reviewing Lessons Learned	Repetitive Incidents, Information Gaps	3Н		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 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/leg

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 201

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 at Safety Act

Occupational Health and affety gulations 2017

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

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les on actice VI atps://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