

Coolant	System Draining Risk Ass	essment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Ema*	
THIS RISK ASSESSM	MENT IS APPROVED BY THE PC	BU OF V PROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a pis prepared before the proposed work starts.	person conducting a busine or un	dertaking PCBU required to ensu	re that a RISK ASSESSMENT
Full Name:			
Signature:		ııtle:	Date:
CL	OR PRICEIN LCO. TRACTOR I	DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project Iv			

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 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 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 the last arts. Senior supervisor sign-off needed.
2M	Ensure all nominated controls are in prace and efficiency roceed with caution; monitor conditions.
1L	Proceed, following standard operating procedures. Monitor 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
ivioderate	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
- 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	Incorrect PPE, Inadequate knowledge	3H	 Provide training on coolant systems and draining projectures. Ensure all workers are wearing appropriate Projections, goggles, closed footwear). Review procedure documents with all teach members. Ensure workers have access to emergency to the conformation. Conduct a toolbox talk on projectial hazards. Verify all equipment to be used is in working order. Designate roles of the responsibility of clearly among team members. Limit access of only those evolved of the tale. Ensure communication revices are available and functional. Esta is an excession zone around work area. 	2M
2. Secure Area	Unauthorised access of trips	23	 Erect is rries to be an arriing signs to delineate work area. Insure the ground is clean and free of any obstructions or spills. Static to potter to monitor and control access. Insure all workers have clearly visible identification. Conduct a CFZ (Check For Zero) to confirm no unauthorised personnel present. Place anti-slip mats if any slippery surfaces cannot be mitigated. Use cones to mark tripping hazards where necessary. Regularly inspect barriers and signs to ensure they remain effective. Keep a log of authorised entries to and exits from the area. Provide immediate first aid response capability. 	1L
3. Shut Down Equipment	Unexpected equipment operation, Electric shock	4A	 Follow manufacturer's shutdown procedure strictly. Use lockout/tagout (LOTO) systems to ensure equipment remains off. Confirm isolation points are clearly labelled and accessible. Test equipment to confirm it's de-energized before work begins. Use insulated tools when interacting with equipment. Maintain a safe distance from other running machinery. Verify permissions for shutdown with supervisory staff. Ensure all workers understand emergency shutdown procedures. 	2M



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			- Conduct a team debrief after shutdown to confirm safety.	
			- Have multimeters and testing devices present for verification.	
4. Drain Coolant	Spills, Exposure to toxic fumes	3Н		1L
5. Inspect Components	Sharp edges, Rescual pressure	ЗН		1L
6. Clean Up	Chemical burns, Slip hazards from remains	ЗН		1L



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7. Document Process	Data entry errors, Loss of documentation	2M		1L
8. Dispose of Waste	Environmental contamination, Misclassification of waste types	ЗН		1L
9. Restore Equipment	Incorrect assembly, Component failure	ЗН		2M



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10. Conduct Final Inspections	Faults in final setup, Inappropriate signage	2M		1L
11. Recommission Equipment	Poor system performant the cited malfunctions	ЗН		1L
12. Secure All Tools and Equipment	Unsecured equipment, Lost tools	2M		1L



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13. Notify Completion	Incomplete notification, Miscommunication	2M		1L
14. Conduct Debrief and Review	Learning opportunities missed, Incomplete feedback	2M		1L
15. Update Procedures and Protocols	Missed updates, Outdated references	2M		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/legislative

Codes of Practice NSW: https://www.safework.nsw.gov.au/resource-library/lis codes-of ractions of Practice NSW: https://www.safework.nsw.gov.au/resource-library/lis codes-of-ractions-of-racti

Northern Territory

Work Health and Safety (National Uniform Legislation) Act 2011

Work Health and Safety (National Uniform Legislation) Regulation 2011

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/le_lation

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 affety gulations 2017

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

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tes of actice VIC attps://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