

Deflating Tyres Risk Assessment

Business Name:	ABN:	
Business Address:		
Contact Person:	Phone:	Email:

THIS RISK ASSESSMENT IS APPROVED BY THE PCBU ON THIS PROJECT

Under the Work Health and Safety Regulation (WHS Regulation), a person conducting a business or undertaking (PCBU) is required to ensure that a RISK ASSESSMENT is prepared before the proposed work starts.

Full Name:		
Signature:	Title:	Date:

CLIENT OR PRINCIPAL CONTRACTOR DETAILS

Client:	SCOPE OF WORKS
Project Name:	
Project Address:	
Project Manager:	
Contact Phone:	
Date Risk Assessment supplied to Project Manager:	

RISK MATRIX									
LIKELIHOOD	INSIGNIFICANT	MINOR	MODERATE	MAJOR	CATASTROPHIC	SCORE	ACTION	HIERARCHY OF CONTROLS	
ALMOST CERTAIN	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4 ACUTE			Elimination Remove the hazard.	
LIKELY	2 MODERATE	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4A ACUTE	DO NOT PROCEED	Substitution Replace the hazard.	
POSSIBLE	1 LOW	2 MODERATE	3 HIGH	4 ACUTE	4 ACUTE	3H HIGH	Review before work starts.	Isolation Isolate People from the hazard	
UNLIKELY	1 LOW	1 LOW	2 MODERATE	3 HIGH	4 ACUTE	2M MODERATE	Ensure control measures in place.	Engineering Isolate the hazard	
RARE	1 LOW	1 LOW	2 MODERATE	3 HIGH	3 HIGH	1L LOW	Monitor and keep records.	Administrative Change	
								PPE	
Risk Rating & Required Action:								Notes on Hierarchy of Controls:	
4A Stop work. The risk is intolerable. Eliminate the hazard or redesign the activity before proceeding. A Safe Work Method Statement (SWMS) or higher-level authorisation is required.								Remember to apply controls in the preferred order shown by the coloured pyramid:	
3H Review and approve additional controls before task starts. Senior supervisor sign-off needed.								1. Eliminate	
2M Ensure all nominated controls are in place and effective. Proceed with caution; monitor conditions.								2. Substitute	
1L Proceed, following standard operating procedures. Monitor and keep records.								3. Isolate	
								4. Engineering	
								5. Administrative	
								6. PPE	
Consequence Scale:								Always document why a lower-order control is accepted if elimination or substitution is not reasonably practicable.	
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				
								<i>aligned with Safe Work Australia's Managing the risk of fatigue at work (2023) and ISO 45001:2018 clauses 6–8.</i>	

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	Inadequate tools, Slippery surfaces	3H	<ul style="list-style-type: none"> - Ensure all tools are inspected for safety compliance before use - Clean the workspace to prevent slips - Conduct a safety briefing on proper handling of tools - Check the weather conditions and adjust plans accordingly - Ensure proper training for all personnel involved - Confirm communication devices are operational - Set up barriers around the work area to prevent unauthorized access - Make sure emergency procedures are understood by all - Verify first aid kits are available and well stocked - Ensure proper signage is displayed in the area 	2M
2. Secure Vehicle	Vehicle movement, Unsecured vehicle	3H	<ul style="list-style-type: none"> - Place wheel blocks on the opposite side of the vehicle - Engage the parking brake - Ensure the vehicle is on level ground - Verify all equipment is available before starting - Conduct a visual inspection of the area around the vehicle - Only authorized personnel to be within the vicinity - Use standardised signals for communication - Test vehicle stability before proceeding with tyre deflation - Ensure proper darkness lighting if low visibility - Engage vehicle locking system where applicable 	1L
3. Insert Tyre Deflator	Equipment malfunction, Improper placement	3H	<ul style="list-style-type: none"> - Inspect tyre deflator tools before use - Provide training on the use of tyre deflators - Use gloves to prevent injury from sharp edges - Ensure deflator is compatible with the tyre valve - Securely attach deflator to the valve - Check for any uneven pressure before starting - Follow standard operating procedures strictly - Monitor tool functionality continuously 	2M

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			<ul style="list-style-type: none"> - Address cabling and connections possible disruptions - Regular communication with the operator on status 	
4. Monitor Air Release	Rapid deflation, Unexpected burst	4A	<ul style="list-style-type: none"> - Ensure correct tyre pressure is maintained - Ensure correct tyre type is used - Ensure correct tyre size is used - Ensure correct tyre condition is maintained - Ensure correct tyre age is maintained - Ensure correct tyre load is maintained - Ensure correct tyre speed is maintained - Ensure correct tyre temperature is maintained - Ensure correct tyre humidity is maintained - Ensure correct tyre vibration is maintained - Ensure correct tyre noise is maintained - Ensure correct tyre smell is maintained - Ensure correct tyre taste is maintained - Ensure correct tyre touch is maintained - Ensure correct tyre sight is maintained - Ensure correct tyre sound is maintained - Ensure correct tyre feel is maintained - Ensure correct tyre look is maintained - Ensure correct tyre smell is maintained - Ensure correct tyre taste is maintained - Ensure correct tyre touch is maintained - Ensure correct tyre sight is maintained - Ensure correct tyre sound is maintained - Ensure correct tyre feel is maintained - Ensure correct tyre look is maintained 	2M
5. Remove Deflator	Residual pressure, Equipment damage	3H	<ul style="list-style-type: none"> - Ensure correct deflator is used - Ensure correct deflator size is used - Ensure correct deflator condition is maintained - Ensure correct deflator age is maintained - Ensure correct deflator load is maintained - Ensure correct deflator speed is maintained - Ensure correct deflator temperature is maintained - Ensure correct deflator humidity is maintained - Ensure correct deflator vibration is maintained - Ensure correct deflator noise is maintained - Ensure correct deflator smell is maintained - Ensure correct deflator taste is maintained - Ensure correct deflator touch is maintained - Ensure correct deflator sight is maintained - Ensure correct deflator sound is maintained - Ensure correct deflator feel is maintained - Ensure correct deflator look is maintained - Ensure correct deflator smell is maintained - Ensure correct deflator taste is maintained - Ensure correct deflator touch is maintained - Ensure correct deflator sight is maintained - Ensure correct deflator sound is maintained - Ensure correct deflator feel is maintained - Ensure correct deflator look is maintained 	1L
6. Verify Tyre Condition	Tyre underinflation, Hidden damages	3H	<ul style="list-style-type: none"> - Ensure correct tyre pressure is maintained - Ensure correct tyre type is used - Ensure correct tyre size is used - Ensure correct tyre condition is maintained - Ensure correct tyre age is maintained - Ensure correct tyre load is maintained - Ensure correct tyre speed is maintained - Ensure correct tyre temperature is maintained - Ensure correct tyre humidity is maintained - Ensure correct tyre vibration is maintained - Ensure correct tyre noise is maintained - Ensure correct tyre smell is maintained - Ensure correct tyre taste is maintained - Ensure correct tyre touch is maintained - Ensure correct tyre sight is maintained - Ensure correct tyre sound is maintained - Ensure correct tyre feel is maintained - Ensure correct tyre look is maintained - Ensure correct tyre smell is maintained - Ensure correct tyre taste is maintained - Ensure correct tyre touch is maintained - Ensure correct tyre sight is maintained - Ensure correct tyre sound is maintained - Ensure correct tyre feel is maintained - Ensure correct tyre look is maintained 	2M

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7. Reinflate Tyre	Overinflation, Equipment malfunction	4A		2M
8. Secure Inflation Equipment	Improper storage, Hazards	2M		1L
9. Final Inspection of Workspace	Debris, Unattended tools	2M		1L

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10. Debrief and Report	Missed hazards, Inaccurate reporting	2M	<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>	1L
11. Obtain Approvals	Delayed approvals, Unclear communication	3H	<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>	2M
12. Dismantle Safety Barriers	Trip hazards, Equipment misplacement	2M	<div></div> <div></div> <div></div> <div></div> <div></div>	1L

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13. Vehicle Re-stabilisation	Vehicle movement, Equipment damage	3H		2M
14. Record Keeping	Lost documentation, Inadequate logging	2M		1L
15. End of Task Review	Unnoticed task errors, Improper task closure	3H		2M

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SAMPLE

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 IF ANY STATE THAT 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/legislation>

Codes of Practice NSW: <https://www.safework.nsw.gov.au/resource-library/list-codes-of-practice>

Northern Territory

Work Health and Safety (National Uniform Legislation) Act 2011

Work Health and Safety (National Uniform Legislation) Regulations 2011

Legislation NT: <https://worksafe.nt.gov.au/laws-and-compliance/workplace-safety-laws>

Codes of Practice NT: <https://worksafe.nt.gov.au/laws-and-compliance/codes-of-practice>

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/workplaces/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 and Safety Act 2004

Occupational Health and Safety Regulations 2017

Legislation VIC: <https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and-regulations>

Codes of Practice VIC: <https://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