

Hydraulic Notcher Risk Assessment

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

THIS RISK ASSESSMENT IS APPROVED BY THE PCBU ON THE 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 the 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	Slip hazard from spilt fluids, Injury from improper set-up of notcher	3H	<ul style="list-style-type: none"> - Ensure work area is clean and free from spills - Verify all components are correctly fitted before operation - Use appropriate signage to warn of potential wet floors - Train operators on set-up procedures - Use mats to absorb any spills quickly if they occur - Regularly inspect equipment for any signs of wear and damage - Ensure adequate lighting is in place - Display clear set-up instructions near the work space - Establish emergency procedures in case of injury - Use PPE such as steel-capped boots and gloves 	2M
2. Power Connection	Electrical shock, Fire hazard	4H	<ul style="list-style-type: none"> - Ensure the power supply is turned off before connecting - Use only approved power cords and plugs - Check electrical connections for damage prior to use - Provide training in safe electrical practices - Install circuit breakers to minimize fire risks - Keep flammable materials away from electrical outlets - Regularly test electrical equipment for proper insulation - Implement a lockout/tagout system for electrical repairs - Clearly label all electrical switches - Provide appropriate firefighting equipment near electrical points 	2M
3. Material Loading	Manual handling injury, Pinch points	3H	<ul style="list-style-type: none"> - Use mechanical aids where possible to lift heavy items - Train workers in safe manual handling techniques - Use guards to cover pinch points - Plan the route for moving materials to avoid obstacles - Implement team lifting procedures where necessary - Position materials within easy reach to minimize stretching - Provide access to hand trucks or dollies - Use proper lifting posture and techniques 	1L

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			<ul style="list-style-type: none"> - Wear appropriate PPE such as gloves - Ensure adequate rest breaks to prevent fatigue 	
4. Machine Activation	Unexpected machine start, Noise exposure	4A	<ul style="list-style-type: none"> - Lock out/tag out the machine before performing any maintenance - Ensure all guards are in place and functioning - Use proper lifting techniques to avoid injury - Wear appropriate PPE such as safety glasses, gloves, and earplugs - Follow the manufacturer's instructions for safe operation - Keep clear of moving parts - Do not reach into the machine while it is running - Use the emergency stop button if needed - Keep the work area clean and free of clutter - Use proper tool handling techniques - Avoid distractions while operating the machine - Take regular breaks to prevent fatigue 	2M
5. Notching Operation	Flying debris, Entanglement	4A	<ul style="list-style-type: none"> - Wear appropriate PPE such as safety glasses, gloves, and earplugs - Use proper tool handling techniques - Keep clear of moving parts - Do not reach into the machine while it is running - Use the emergency stop button if needed - Keep the work area clean and free of clutter - Use proper tool handling techniques - Avoid distractions while operating the machine - Take regular breaks to prevent fatigue 	2M
6. Machine Shutdown	Inadvertent restart, Residual energy release	3H	<ul style="list-style-type: none"> - Lock out/tag out the machine before performing any maintenance - Ensure all guards are in place and functioning - Use proper lifting techniques to avoid injury - Wear appropriate PPE such as safety glasses, gloves, and earplugs - Follow the manufacturer's instructions for safe operation - Keep clear of moving parts - Do not reach into the machine while it is running - Use the emergency stop button if needed - Keep the work area clean and free of clutter - Use proper tool handling techniques - Avoid distractions while operating the machine - Take regular breaks to prevent fatigue 	1L

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7. Material Unloading	Manual handling injuries, Falling materials	2M		1L
8. Cleaning	Chemical exposure from cleaning agents, Slip hazard from wet surface	3H		2M
9. Maintenance	Injury from moving parts, Slip hazard from oil and grease	4A		2M

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10. Inspection	Failure to detect equipment faults, Eye strain from detailed inspections	3H		1L
11. Troubleshooting	Electric shock, Mechanical entrapment	4A		2M
12. Tool Storage	Injuries from improper tool storage, Tripping hazards	2M		1L

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13. Waste Disposal	Chemical exposure from waste products, Injuries from sharp objects	2M		1L
14. Staff Training	Lack of awareness, Improper training leading to unsafe practice	3H		1L
15. First Aid	Inadequate first aid response, Delayed treatment	2M		1L

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16. Emergency Evacuation	Inadequate emergency response, Panic during evacuation	3H		1L
17. Documentation	Missing documentation, Lack of procedure visibility	2M		1L
18. Communication	Miscommunication, Delayed response to urgent issues	3H		1L

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19. Job Rotation	Repetitive strain injuries, Learning curve challenges	2M		1L
20. PPE Management	Insufficient PPE, Misuse of PPE	3H		2M

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>

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>

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>

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>

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>

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

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.