

PVC Pipe Belling Mould 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 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	Slips and trips, Manual handling injuries	3H	<ul style="list-style-type: none"> - Conduct a pre-work briefing to outline the task and associated risks - Ensure floor is clean and dry to prevent slips - Use appropriate lifting techniques and team lifting where necessary - Ensure all tools and equipment are available and functioning properly - Confirm all workers are wearing appropriate PPE including safety boots and gloves - Allocate tasks according to worker capability - Provide training on ergonomic practices - Ensure lighting is adequate for visibility - Erect signage to indicate work area - Confirm emergency procedures are in place 	2M
2. Loading PVC Pipe	Crushing injuries, Strain, Sprains	3H	<ul style="list-style-type: none"> - Use forklifts or mechanical aids for loading heavy pipes - Ensure workers keep safe distance from moving equipment - Implement safe manual handling procedures - Rotate tasks to reduce repetitive strain - Maintain communication between workers and machinery operators - Secure pipes adequately during transport - Conduct equipment inspections regularly - Provide training on manual handling - Limit the load sizes to manageable levels - Monitor worker fatigue and provide rest breaks 	2M
3. Pipe Inspection	Cuts from sharp edges, Repetitive strain injuries	2M	<ul style="list-style-type: none"> - Use gloves to handle pipes to prevent cuts - Provide training on proper inspection techniques - Rotate tasks to minimize repetitive strain - Use ergonomic tools if necessary - Ensure area is well lit for thorough inspection - Verify all damaged pipes are reported and removed - Conduct visual inspection before and after pipe handling - Use hands-free devices where possible 	1L

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			<ul style="list-style-type: none"> - Follow standard operating procedures for inspection - Keep inspection area clean and free of obstacles 	
4. Heating Process	Burns from hot surfaces, Fire hazard	4A	<ul style="list-style-type: none"> - Wear heat resistant gloves - Use long-handled tools - Keep work area clear of flammable materials - Use fire extinguisher if needed - Do not touch hot surfaces - Use proper lifting techniques - Keep hands and feet dry - Use proper footwear - Use proper posture - Use proper breathing equipment - Use proper eye protection - Use proper hearing protection - Use proper hand protection - Use proper foot protection - Use proper back protection - Use proper head protection - Use proper eye protection - Use proper hearing protection - Use proper hand protection - Use proper foot protection - Use proper back protection - Use proper head protection 	2M
5. Mould Setup	Pinch points, Exposure to moving parts	3H	<ul style="list-style-type: none"> - Wear safety glasses - Use long-handled tools - Keep work area clear of flammable materials - Use fire extinguisher if needed - Do not touch hot surfaces - Use proper lifting techniques - Keep hands and feet dry - Use proper footwear - Use proper posture - Use proper breathing equipment - Use proper eye protection - Use proper hearing protection - Use proper hand protection - Use proper foot protection - Use proper back protection - Use proper head protection - Use proper eye protection - Use proper hearing protection - Use proper hand protection - Use proper foot protection - Use proper back protection - Use proper head protection 	2M
6. Pipe Insertion	Entanglement, Manual handling	3H	<ul style="list-style-type: none"> - Wear safety glasses - Use long-handled tools - Keep work area clear of flammable materials - Use fire extinguisher if needed - Do not touch hot surfaces - Use proper lifting techniques - Keep hands and feet dry - Use proper footwear - Use proper posture - Use proper breathing equipment - Use proper eye protection - Use proper hearing protection - Use proper hand protection - Use proper foot protection - Use proper back protection - Use proper head protection - Use proper eye protection - Use proper hearing protection - Use proper hand protection - Use proper foot protection - Use proper back protection - Use proper head protection 	2M

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7. Belling Process	Crush injuries, Exposure to high temperatures	4A		2M
8. Cooling Process	Contact with hot surfaces, Burns, water spills	3H		1L
9. Unloading Pipes	Struck by moving pipe, Manual handling injuries	3H		2M

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10. Quality Inspection	Repetitive strain injuries, Exposure to sharp edges	2M		1L
11. Storage	Falling objects, Trip hazards	3H		1L
12. Maintenance	Machinery malfunctions, Electric shock	4A		2M

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13. Clean-up and Waste Disposal	Exposure to contaminants, Slip hazards	3H		1L
14. Incident Reporting	Delayed response, Incomplete information	2M		1L
15. Final Review and Documentation	Inaccurate documentation, Compliance breaches	2M		1L

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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>

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.