

Handling	Aggressive Fluids Risk As	sessment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Ema	
THIS RISK ASSESSM	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 PCBL required to ensu	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 In.			

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 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 hi	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 efficive	Proceed with caution; monitor conditions.
1L	Proceed, following standard operating	ng procedurer //oni	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. Éliminate
- 2. 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	spillage, splashing	3H	- Ensure all workers are trained in handling procedur  - Use proper containers with secure lids.  - Establish a spill response plan.  - Provide appropriate PPE including gloves are not seen.  - Conduct regular inspections of containers and see age areas.  - Implement a communication per for spills.  - Keep emergene contact number evisible.  - Use signage of indicate heards.  - Limit recess to authorize a personnel to y.  - Storn in perials to aw eye level.	2M
2. Transporting Fluids	container failure, slip b	3)	<ul> <li>Use the eys coarts is chansportation.</li> <li>Use the eys coarts is chansportation.</li> <li>Use use that in the are not overloaded.</li> <li>Inspect on tainers for damage before use.</li> <li>Itearly label all containers.</li> <li>Use non-slip mats on transport pathways.</li> <li>Train workers on safe lifting techniques.</li> <li>Assign spotters for maneuvers in tight spaces.</li> <li>Restrict speed limits within facility grounds.</li> <li>Implement regular maintenance checks of transport equipment.</li> <li>Schedule transport during low-traffic times.</li> </ul>	2M
3. Mixing Fluids	chemical reaction, vapour release	4A	<ul> <li>Conduct pre-mixing risk assessments.</li> <li>Use closed systems for mixing processes.</li> <li>Install local exhaust ventilation.</li> <li>Ensure availability of emergency showers.</li> <li>Display mixing ratios prominently.</li> <li>Provide respirators for high concentration areas.</li> <li>Implement buddy system during mixing.</li> <li>Maintain a safe distance from mixing ensembles.</li> </ul>	3H



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			- Monitor air quality continuously during operations.	
			- Review and update mixing procedures regularly.	
4. Storage	accumulation of vapour, structural failure	3Н		2M
5. Disposal	environmental correspination, physical exposure	4A		2M
6. Emergency Response	delayed response, inadequate equipment	4A		2M



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7. Safe Entry and Egress	obstructions, poor visibility	3H		2M
8. Personal Protective Equipment	incomplete fitting, have protection	зн		2M
9. Maintenance and Repairs	equipment failure, unsecured maintenance tools	4A		2M



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10. Monitoring and Inspection	overlooked violations, equipment malfunctions	3H		2M
11. Communication	misinformation, language barriers	ЗН		2M
12. Training	knowledge gaps, outdated information	4A		2M



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13. Supervisory Oversight	non-compliance, lack of accountability	зн		2M
14. Incident Reporting	underreporting, delayed	4A		2M
15. Job Planning	unanticipated hazards, resource misallocation	ЗН		2M



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16. Health Monitoring	missed symptoms, inadequate medical response	3H		2M
17. Ventilation	poor air quality, system blockage	4A		2M
18. First Aid	inadequate first response, insufficient supplies	4A		2M



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19. Site Security	unauthorised access, vandalism	ЗН		2M
20. Environmental Controls	contamination, unmanaged waste	4A		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. 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/legislati

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/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 Infety gulations 2017

Legis on VIC: https://www.wksafe.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