

Comb	oustible Liquids Risk Asses	ssment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Emai	
THIS RISK ASSESSI	MENT IS APPROVED BY THE PCI	BU ON Y PROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a is prepared before the proposed work starts.	person conducting a busine or ur	ndertaking PCBU required to ensu	re that a RISK ASSESSMENT
Full Name:			
Signature:		ritle:	Date:
CLY	OR PRICENCE CO. TRACTOR I	DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project New York			



RISK MATRIX									
LIKELIHOOD	INSIGNIFICANT	MINOR	MODERATE MA	JOR CATASTROPH			HIERARCHY OF CONTROLS		
ALMOST CERTAIN	3 HIGH	3 HIGH		4 4 JTE ACUTE	SCORE	ACTION	Elimination Remove the hazard.		
LIKELY	2 MODERATE	3 HIGH	U U U U U U U U U U U U U U U U U U U	4 4 JTE ACUTE	4A ACUTE	DO NOT PROCEED	Substitution Replace the hazard. Isolation		
POSSIBLE	1 LOW	2 MODERATE		4 JTE ACUTE	3H HIGH	Rev before work art	Isolate People from the hazard Engineering Isolate the		
UNLIKELY	1 LOW	1 LOW		3 Z GH ACU E	MC RATE	Ensure control measures in place.	Activité istrativ e Chang		
RARE	1 LOW	1 LOW		3 GH H. 1	1L LOW	Monitor and keep records.	PP		
Risk Rating & Required Action:         4A       Stop work. The risk is intolerable, cominate the hazarca redesign the activity before proceeding. A Safe Work Method Statement (SWMS) or hit er-level authorisatic is required.         3H       Review and approve additional corrols to constrain task parts. Senior supervisor sign-off needed.         2M       Ensure all nominated controls are in prace and efficience with caution; monitor conditions.         1L       Proceed, following standard operating procedures Monitor and keep records.         Consequence Scale:							Notes on Hierarchy of Controls:         Remember to apply controls in the preferred order shown by the coloured pyramid:         1.       Eliminate         2.       Substitute         3.       Isolate         4.       Engineering         5.       Administrative         6.       PPE		
Consequence		injury/illness)	Project / Ass	Significant regula	pliance / Reputat ator intervention; c		Always document why a lower-order control is accepted if		
Catastrophic Major	Fatality or perma Serious injury/illr days)			wn prosecution	tice; major media		elimination or substitution is not reasonably practicable. aligned with Safe Work Australia's Managing the risk of fatigue at		
Moderate	Medical-treatmen	nt injury; lost-tim	e > 1 moderate dela	y Minor breach; ad	Minor breach; adverse client comment		work (2023) and ISO 45001:2018 clauses 6–8.		
Minor	First-aid only, no	lost time	negligible dela	y Isolated non-con	formance				
			no schedule		Deviation caught and corrected on site				



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	Spill of combustible liquids, Fire hazards	4A	<ul> <li>Perform a risk assessment prior to handling any consustible liquids.</li> <li>Ensure knowledge of the location of emergenciexits and fire extinguishers.</li> <li>Conduct safety briefing with all involved partonnel.</li> <li>Install signage indicating danger of combustion lineas.</li> <li>Ensure fire extinguishing eclipment is available and function</li> <li>Implement exclusion zones were necessary.</li> <li>Check that ventiling on safe hadding of comburate liquids.</li> <li>Provide tracing on safe hadding of comburate liquids.</li> <li>Check person porteages equipment were block.</li> <li>Ident vend removignition sources.</li> </ul>	2М
2. Transportation	Liquid spills during transport Ignition of vapours		<ul> <li>Use all tropic e contracers for transporting combustible liquids.</li> <li>Use all tropic e contracers for transporting combustible liquids.</li> <li>Ensure transport vehicles are in good condition.</li> <li>train personnel on spill response procedures.</li> <li>Maintain a no-smoking policy during transport.</li> <li>Provide suitable spill containment kits in transport vehicles.</li> <li>Inspect containers for leaks before transport.</li> <li>Plan safe transport routes, avoiding high-risk areas.</li> <li>Display proper placarding on transport vehicles.</li> <li>Monitor transport routes to keep them clear of obstructions.</li> </ul>	2M
3. Storage	Inadequate ventilation, Corroded containers	4A	<ul> <li>Store liquids in designated, ventilated storage areas away from heat sources.</li> <li>Inspect storage containers regularly for signs of damage or corrosion.</li> <li>Utilize spill containment units beneath storage tanks.</li> <li>Ensure clear labeling of all storage containers.</li> <li>Segregate incompatible materials from combustible liquids.</li> <li>Implement routine inspections for ventilation system functionality.</li> <li>Ensure thorough cleaning protocols are in place for storage areas.</li> <li>Post access restrictions to storage areas.</li> </ul>	2M



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			- Train personnel on storage management procedures.	
			- Regularly review storage procedures for compliance	
4. Use at Worksite	Exposure to toxic fumes, Fire from igniting fumes	4A		2M
5. Disposal	Environmental contamination, Chemical reactions leading to fire	ЗН		1L
6. Emergency Response	Failure to extinguish a fire, Inadequate first aid response	ЗН		1L



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7. Cleanup Operations	Inhalation of harmful vapours, Slip hazards from spilled liquid	ЗН		2M
8. Maintenance of Equipment	Fire from malfunctioning equipment, Chemical burns from leaks	ЗН		1L



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9. Training and Induction	Lack of awareness leading to accidents, Inadequate emergency response knowledge	3Н		2М
10. Inspection and Review	Unidentified hazardu won-compliance with safety protoc	4A		2M
11. Communication	Miscommunication leading to unsafe practices, Lack of information sharing	ЗН		2М



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12. Risk Assessment Review	Static risk assessment, Outdated safety measures	ЗН		1L
13. PPE Management	Inadequate PPE furthe tarter program	ЗН		2M
14. Chemical Inventory Management	Failure to update inventory, Missing safety data sheets	ЗН		2M



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15. Contractor Management	Process exclusion for contractors, Inadequate understanding of site risks	ЗН		2M
16. Contingency Planning	Lack of effective backups, System failures	ЗН		1L
17. Security	Unauthorised access to hazardous areas, Theft of chemicals	ЗН		2M

Version 2.5



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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.

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	REFERENCES
RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEG	SISLATIVE REFERENCES ANY STATE AT ARE NOT APPLICABLE
Queensland & Australian Capital Territory Work Health and Safety Act 2011 Work Health and Safety Regulations 2011 Legislation QLD: <u>https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws</u> Codes of Practice QLD: <u>https://www.worksafe.gld.gov.au/laws-and-compliance/codes-of-practice</u> Legislation ACT: <u>https://www.worksafe.act.gov.au/laws-and-compliance/acts-and-regulations</u> Codes of Practice ACT: <u>https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice</u>	Victoria Occupational Health and Safety Action 04 Occupational Health and Safety Action 04 Occupational Health and Safety Supervised
New South Wales Work Health and Safety Act 2011 Work Health and Safety Regulations 2017 Legislation NSW: <u>https://www.safework.nsw.gov.au/legal-obligations/legislati</u> Codes of Practice NSW: <u>https://www.safework.nsw.gov.au/resource-library/lis</u>	Western Australia Work Health and Safety Act 2020 Work Health and Safety Regulations 2022 Legislation Western Australia: <u>https://www.commerce.wa.gov.au/worksafe/legislation</u> Codes of Practice WA: <u>https://www.commerce.wa.gov.au/worksafe/codes-practice</u>
Northern Territory Work Health and Safety (National Uniform Legislation) Act 2011 Work Health and Safety (National Uniform Legislation) Regulation 2011 Legislation NT: <u>https://worksafe.nt.gov.au/laws-and-compliance/worplace-serve-laws</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/f</u>	Safe Work Australia Links Law and Regulation (All States): <u>https://www.safeworkaustralia.gov.au/law-and-regulation</u> Model Codes of Practice: <u>https://www.safeworkaustralia.gov.au/resources-publications/model- codes-of-practice</u>
South Australia Work Health and Safety Act 2012 (SA) Work Health and Safety Regulations 2012 (SA) Legislation for SA: <u>https://www.safework.sa.gov.au/resources/legislation</u> Codes of Practice for SA: <u>https://www.safework.sa.gov.au/work_saces/codes-of-practice#COPs</u>	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
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: <a href="https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice">https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice</a> Codes of Practice for TAS: <a href="https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice">https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice</a>	<ul> <li>First aid in the workplace</li> <li>Managing the risk of falls at workplaces</li> <li>Hazardous manual tasks</li> <li>Managing the risk of falls in housing construction</li> <li>Managing electrical risks in the workplace</li> <li>Demolition work</li> <li>Excavation work</li> </ul>
Details of permits, licenses or access required by regulatory bodies (add or delete as required): - Permits from local council - Authorisation to commence work	<ul> <li>Work health and safety consultation, cooperation and coordination</li> <li>Managing the work environment and facilities</li> <li>How to manage work health and safety risks</li> <li>Managing risks of plant in the workplace</li> <li>Construction work</li> </ul>

- Any required documents.