

Safely Managing	Fuel Transfer Operations	Risk Assessment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Emai	
THIS RISK ASSESSI	MENT IS APPROVED BY THE PCI	BU ON W PROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a is prepared before the proposed work starts.	person conducting a busine or un	ndertaking PCBU required to ensu	ire that a RISK ASSESSMENT
Full Name:			
Signature:		ritle:	Date:
CL		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		
And Method Statement (SWMS) or his der-level authorisation is required. Coloured pyramid: 3H Review and approve additional cubrols in place and efficiency of ask parts. Senior supervisor sign-off needed. 1. Eliminate 2M Ensure all nominated controls are in place and efficiency of one of the cubrols and the proceed with caution; monitor conditions. 1. Eliminate 1L Proceed, following standard operating procedures of onitor and keep records. 1. Eliminate 2. Substitute 3. Isolate 3. Isolate 3. Isolate 4. Engineering 5. Administrative							Remember to apply controls in the preferred order shown by the coloured pyramid: Eliminate Substitute Isolate Engineering 		
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	fuel spills, fire hazard	ЗН	 Conduct a thorough site inspection before commercing work. Ensure all equipment is operational and suitation or use. Confirm that all personnel are trained in eurogency produties. Clear the area of any ignition sources. Use appropriate signage to elert others of the operation. Ensure Personal Protective Europment (PPE) is a relationand used. Verify communication operates an operational. Review relation t Safety Dou Sheeter SDS) remandling fuel. Chere weather conditions to avoid has use from weather changes. Limit uses to a provised personnel only. 	2М
2. Transportation of Fuel	vehicle collision, fuel le		 Use vericles opecificate designed for fuel transportation. Use vericles opecificate designed for fuel transport equipment. Adheven regulated road safety practices and legal speed limits. ecure load to prevent movement during transit. Use spill-containment barriers in transit vehicles. Implement a two-person rule for fuel transfer oversight. Keep emergency contact information readily available. Avoid transit during peak traffic hours to reduce collision risks. Ensure environmental protection kits are on board. Plan route to avoid hazardous zones. 	2М
3. Fuel Storage	overfilling, vapour accumulation	4A	 Store fuel in certified and labelled containers. Designate a specific area for fuel storage, away from ignition sources. Install ventilation systems to prevent vapour accumulation. Use automated gauging systems to monitor fuel levels. Conduct regular inspections of storage containers for integrity. Provide clear labelling and signage regarding fuel storage areas. Implement spill response measures. Ensure secondary containment measures are in place. 	2М



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
			- Train staff in the operation of gauges and detection devices.	
			- Ensure fire suppression equipment is readily accessible.	
4. Fuel Transfer Equipment Setup	equipment failure, static discharge	ЗН		1L
5. Fuel Transfer Initiation	incorrect connecting operator	ЗН		2М
6. Monitoring Fuel Transfer	undetected leaks, overpressure	4A		2M



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
7. Completion of Fuel Transfer	residual pressure, hose disconnection spills	ЗН		1L
8. Post-Transfer Equipment Maintenance	equipment malfunction, contamination	ЗН		2M
9. Waste Disposal	environmental pollution, incorrect disposal	4A		1L



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
10. Emergency Response Plan Review	incomplete procedures, non-compliance	ЗН		1L
11. Security Check	unauthorised access, value	ЗН		1L
12. Staff Training & Competency	lack of knowledge, skills deficiency	ЗН		1L



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
13. Communication Protocol	miscommunication, delayed responses	ЗН		1L
14. Review Regulatory Compliance	non-compliance penalties, legal liability	4A		1L
15. Continuous Improvement	overlooked risks, stagnation	ЗН		1L



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
16. Equipment Decommissioning	residual fuel, release of vapours	4A		1L
	5			
17. Equipment Procurement	supply chain delays, equipment unsuitability	ЗН		1L
18. Stakeholder Engagement	misaligned expectations, poor communication	3H		1L



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
19. Reporting & Documentation	incomplete records, inaccurate data	ЗН		1L
20. Closing Review & Feedback Session	missed lessons, non-communication	2М		1L



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
	S			



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 LEGIS	LATIVE 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: 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/codes-of-practice Codes of Practice ACT: https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice	Victoria Occupational Health at Safety Actor 04 Occupational Health and onfety or gulations 2017 Legistron VIC: <u>https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and-oulations</u> Unless on vactice VIC <u>autps://www.worksafe.vic.gov.au/compliance-codes-and-codes-practice</u>						
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/legislatic Codes of Practice NSW: https://www.safework.nsw.gov.au/legal-obligations/legislatic	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-set-laws</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/formerset-set-laws</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: https://www.safework.sa.gov.au/resources/legislation Codes of Practice for SA: https://www.safework.sa.gov.au/resources/legislation Codes of Practice for SA: https://www.safework.sa.gov.au/word Tasmania Work Health and Safety Act 2012 Work Health and Safety (Transitional and Consequential Provisions) Act 2012 Work Health and Safety Regulations 2012	 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 						
Work Health and Safetý (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/acts-and-regulations Codes of Practice for TAS: https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations Details of permits, licenses or access required by regulatory bodies (add or delete as required): - - Permits from local council -	 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 						
 Permits from local council Authorisation to commence work Any required documents. 	- Managing risks of plant in the workplace - Construction work						