

A	sphalt Plant Risk Assessm	ent	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Emai	
THIS RISK ASSESS	MENT IS APPROVED BY THE PCI		
Under the Work Health and Safety Regulation (WHS Regulation), a pis 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:
CL		DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project New Project			



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 hazarc predesign the activity before proceeding. A Safe Work Method Statement (SWMS) or his er-level authorisatic is required. 3H Review and approve additional corrols in prace and efficience. Proceed with caution; monitor conditions. 2M Ensure all nominated controls are in prace and efficience. Proceed with caution; monitor conditions. 1L Proceed, following standard operating procedurer 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					



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	Equipment malfunction, Inadequate training	ЗН	 Conduct regular equipment inspections Ensure all operators are properly trained and confied Implement a detailed equipment maintenance scheduler Use pre-start checklists to verify equipment mediate before operation Provide refresher training schedulers Establish clear operational genetines and procedules Create an accessive operation menual for equipment Designatement efficiencesite Implement a nextbacknestern for concerous improvement Regnatereview of update risk assessments 	2М
2. Material Loading	Dust inhalation, Materia Cone	21	 Provid PPE such as espirators for dust Install dist suppression systems Consected ading operations in a designated area train workers on safe loading procedures Umize automatic loading systems if available Implement regular cleaning schedules of the work area Set up containment barriers around the work area Ensure spill kits are available and staff trained on their use Monitor air quality regularly Have emergency procedures in place 	2М
3. Mixing Process	Exposure to high temperatures, Mechanical failure	4A	 Ensure adequate ventilation in the mixing area Provide heat-resistant PPE Regularly inspect and maintain mixing equipment Implement a lockout/tagout system for machinery maintenance Install temperature monitoring systems Establish emergency shutdown procedures Train staff in recognising signs of overheating Keep fire extinguishers readily available 	ЗH



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			- Conduct routine equipment performance checks	
			- Schedule periodic audits of maintenance records	
4. Transporting Asphalt	Traffic collisions, Overheating of transported asphalt	4A		ЗН
5. Paving Operations	Slips and trips, Manual handling injuries	ЗН		2M
6. Site Clean-up	Chemical exposure, Waste handling	ЗН		1L

Version 2.5

Review #



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7. Equipment Maintenance	Caught between moving parts, Electrical hazards	ЗН		2М
8. Quality Assurance	Incorrect material emposite Inadequate testing	SW		1L
9. Emergency Response	Injury from delay, Inadequate communication	4A		ЗН

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10. Waste Management	Environmental contamination, Accidental spills	ЗН		2M
11. Communication Protocols	Message misinterpretation, Communication equipment failure	2М		1L
12. Worker Health Monitoring	Illness due to exposure, Stress-related health issues	3Н		2M

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13. Contractor Management	Non-compliance with safety standards, Lack of site-specific training	ЗН		2М
14. Heat Stress Management	Heat exhaustion, Dehyd	4A		ЗН
15. Noise Control	Hearing loss, Communication difficulties	ЗН		2M

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16. Lighting	Inadequate lighting, Glare causing			
Management	visibility issues	2M		1L
	1			
	C			
17. Traffic Management	Vehicle-pedestrian interaction, Unauthorized access	4A		ЗН
18. Fire Safety	Flammable materials, Inadequate fire	4A		ЗН
	response			

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19. Signage and Labelling	Misleading information, Missing hazard signs	2М		1L
20. Environmental Protection	Soil contamination, Water pollution	ЗН		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.

RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEGISLATIVE 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/acts-and-regulations Codes of Practice ACT: https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice	Victoria Occupational Health at Safety Act 204 Occupational Health and Safety Act 204 Legistron VIC: <u>https://www.safe.vic.gov.au/occupational-health-and-safety-act-and- rulations</u> Safety Safety Saf							
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/legislative Codes of Practice NSW: https://www.safework.nsw.gov.au/legal-obligations/legislative	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-provelaws</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/formediatestary.au/formedia</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/work_aces/codes-of-practice#COPs Tasmania Work Health and Safety Act 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 							
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: <u>https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations</u> Codes of Practice for TAS: <u>https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice</u>	 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 							
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.	 Managing the work environment and facilities How to manage work health and safety risks Managing risks of plant in the workplace Construction work 							