

<b>Operating</b>	Asphalt Machines Risk As	ssessment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Ema:	
THIS RISK ASSESSI	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 PCBU required to ensu	re that a RISK ASSESSMENT
Full Name:			
Signature:		ritle:	Date:
CL	OR PRI. CIL L. CO. TRACTOR I	DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project N.			

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. Eliminate
- 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	lack of training, incorrect PPE	ЗН	- Conduct a safety briefing before starting any work  - Ensure all workers have completed relevant to ung modules.  - Issue and enforce the use of appropriate and E., including poves and high-visibility vests.  - Review and comply with equipment manuals and a cety protocols.  - Verify completion of site risk assessment before parting machinery.  - Ensure all workers are aware memergency processes.  - Check availability and so like the site.  - Maintain an age of qualify supercorps or easy.  - Confine proper signages on place.  - Resultances to authorised personnel only.	1L
2. Transportation to Site	vehicle collision, equipment appling	3)	<ul> <li>Use transday of licensed drivers for operating heavy vehicles.</li> <li>Use transday of licensed drivers for operating heavy vehicles.</li> <li>Use transportation and securing according to manufacturer guidelines.</li> <li>Umplayed speed restrictions within worksite limits.</li> <li>Uan transportation routes to avoid residential areas during peak hours.</li> <li>Existing the vehicles have undergone pre-departure safety inspections.</li> <li>Position spotters during vehicle manoeuvres.</li> <li>Use GPS tracking for real-time monitoring of vehicle movements.</li> <li>Establish drop-off points within designated safe zones.</li> <li>Limit transport activities during adverse weather conditions.</li> <li>Conduct regular driver fatigue assessments.</li> </ul>	2M
3. Set-Up of Equipment	slips, trips, equipment malfunction	ЗН	<ul> <li>Conduct pre-use inspection of all equipment.</li> <li>Follow manufacturers' specifications for equipment set-up.</li> <li>Ensure stable, flat ground for machine placement.</li> <li>Use non-slip mats or grating in areas around machines.</li> <li>Erect barriers around setup areas to restrict unauthorized access.</li> <li>Verify the functionality of emergency stop mechanisms.</li> <li>Assign responsibilities for each setup task to qualified personnel.</li> <li>Test equipment within manufacturer's recommended limits.</li> </ul>	2M



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			- Provide immediate access to technical support if needed.	
			- Document all setup activities for accountability.	
4. Machine Operation	hot surfaces, dust inhalation	4A		2M
5. Asphalt Laying	heat stress, overegrition	4A		2M
6. Traffic Management	vehicular impact, road rage	4A		2M



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7. Shutdown Procedures	entrapment, residual energy	3H		1L
8. Maintenance	chemical exposure, Landlin	JA		2M
9. Emergency Procedures	inadequate response, equipment failure	4A		1L



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10. Site Clean-up	debris, chemical residue	ЗН		1L
		1		
11. Demobilization	transport hazard, inventory loss	ЗН		2M
12. Post-Operation Review	incomplete documentation, risk unaddressed	ЗН		1L



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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. Worker Welfare Management	stress, fatigue	4A		1L
14. Communication Procedures	miscommunication, information delay	ЗН		1L
15. Continuous Improvement	complacency, regulation non- compliance	3H		1L



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			<b>A</b>	



#### **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

 $\underline{\textbf{Legislation QLD:}} \ \underline{\textbf{https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws}}$ 

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/legislatide

Codes of Practice NSW: https://www.safework.nsw.gov.au/resource-library/lis codes-of ractions of Practice NSW: https://www.safework.nsw.gov.au/resource-library/lis codes-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-ractions-of-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 at Safety Act 34

Occupational Health and afety gulations 2017

Legis on VIC: https://www.csafe.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: <a href="https://www.commerce.wa.gov.au/worksafe/legislation">https://www.commerce.wa.gov.au/worksafe/legislation</a> Codes of Practice WA: <a href="https://www.commerce.wa.gov.au/worksafe/codes-practice">https://www.commerce.wa.gov.au/worksafe/codes-practice</a>

#### 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