

| Adjusting | Complex Machinery Risk A | Assessment | |
|--------------------------------------------------------------------------------------------------------------|----------------------------------|----------------------------------|---------------------------|
| 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 is 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 PRICE LCO. TRACTOR I | DETAILS | |
| Client: | | SCOPE OF | WORKS |
| Project Name: | | | |
| Project Address: | | | |
| Project Manager: | | | |
| Contact Phone: | | | |
| Date Risk Assessment supplied to Project Iv | | | |



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 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 hit er-level authorisation is required. |
| 3H | Review and approve additional controls to the last arts. Senior supervisor sign-off needed. |
| 2M | Ensure all nominated controls are in prace and efficiency roceed with caution; monitor conditions. |
| 1L | Proceed, following standard operating procedures. Monitor 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 |
| ivioderate | 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
- 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 | Inadequate training, Lack of tools | 3H | Conduct thorough training sessions for all operators Verify availability and condition of all necessar wools before starting. Implement a buddy system for first-time or rators. Use clear instructional signages in the work was Conduct daily briefings to refiew preparation charklist. Limit personnel in machinery was to trained staff to the consumer of the cons | 2M |
| 2. Assessing Machinery | Unidentified faults, Improvements | 31 | Follow nank oturers becklist for assessing machinery. Decay sual inspection for obvious faults. Implement double-check system by two qualified persons. Document all findings using digital record-keeping. Provide fault reporting training to all operators. Maintain updated log of past inspections and issues. Ensure availability of spare parts before inspections. Schedule inspections at regular intervals. Train staff in identification of wear and tear signs. | 2M |
| 3. Shutting Down Equipment | Unexpected equipment movement, Electric shock | 4A | Follow manufacturer protocols for shutdown procedures. Use Lock Out Tag Out (LOTO) devices in shutdown process. Ensure equipment is properly grounded. Place caution signs during shutdown procedures. Inform all personnel prior to shutdown commencement. Verify equipment status is 'off' before further actions. Conduct electric isolation tests post-shutdown. Train workers on emergency shutdown procedures. | 2M |



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| | | | - Alert maintenance team for shutdown verification. | |
| | | | - Use automated systems where available to ensure shutdown. | |
| 4. Adjusting Components | Pinch points, Tool misuse | 3H | | 1L |
| 5. Testing Adjustments | Balance instability prexpected movement | ЗН | | 2M |
| 6. Conducting Trial Run | System overload, Component failure | 4A | | 2M |



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| | | | | |
| 7. Post-Adjustment Review | Missed discrepancies, Improper adjustment verification | 3H | | 1L |
| 8. Final Documentation | Data loss, Inaccurays | зн | | 1L |
| 9. Clean-up | Tripping hazards, Harmful substance exposure | 2M | | 1L |



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| | | | | |
| 10. Re-commissioning | Faulty components, Missed calibration errors | ЗН | | 1L |
| 11. Training and Familiarisation | Knowledge gaps, Improper techniqu utilization | ЗН | | 1L |
| 12. Monitoring Adjustments | Ignore small-scale failures, Severe wear and tear | ЗН | | 1L |



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| 13. Continuous Improvement | Outdated procedures, Complacency | 2M | | 1L |
| 14. Emergency Preparedness | Failing emergency systems, Delaw response | 4A | | 2M |
| 15. Reporting and Feedback | Non-reporting, Overlooked documentation | 2M | | 1L |



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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.

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/legislatide

Codes of Practice NSW: https://www.safework.nsw.gov.au/resource-library/lis

Northern Territory

Work Health and Safety (National Uniform Legislation) Act 2011

Work Health and Safety (National Uniform Legislation) Regulation 201

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/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

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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des on actice VI autros://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