**TREE FELLING (MECHANICAL) SAFE WORK METHOD STATEMENT (SWMS)**

This SWMS is suitable for operating Skid-steer/Bobcat, Backhoe, Excavator, Front-end Loader, Tractors & Track Drott Loaders or Dozers to fell trees.

<table>
<thead>
<tr>
<th>Business Contact:</th>
<th>Phone #:</th>
<th>Responsible person (for monitoring SWMS and work):</th>
<th>Signature:</th>
<th>Date:</th>
<th>Principal Contractor (PC):</th>
<th>PC Address:</th>
<th>PC Phone #:</th>
<th>Date SWMS provided to PC:</th>
<th>Job Site Address:</th>
</tr>
</thead>
</table>

**THIS WORK ACTIVITY INVOLVES THE FOLLOWING HAZARDOUS WORK AND ENVIRONMENTAL IMPACTS**

- Electrical equipment
- Hot Work
- Noise and vibration
- Fuels, oils & chemicals
- Elevate levels
- Hazardous manual tasks
- Native vegetation & weeds
- Terrestrial fauna
- Slips, trips and falls
- Outdoor work
- Air quality
- Waterways & soils
- Hazardous substances
- Remotely &/or isolated work
- Waste
- Cultural heritage
- Night work
- Silica dust
- Vehicle movement
- ?

**THIS WORK ACTIVITY INVOLVES THE FOLLOWING “HIGH-RISK CONSTRUCTION WORK” (HRCW - IDENTIFIED IN THE JOB TASK COLUMN)**

- Confined spaces
- Using explosives
- Mobile plant movement
- Diving work
- Demolition of a load-bearing structure
- Artificial extremes of temperature
- Asbestos disturbance
- Tilt-up or pre-cast concrete
- Pressurised gas distribution mains or piping chemical, fuel or refrigerant lines energised electrical installations or services
- Involves a risk of a person falling from 2m or more, including work on telecommunications towers
- Working at depths greater than 1.5 Metres, including tunnels or mines
- Work carried out adjacent to a road, railway or shipping lane, traffic corridor
- In or near water or other liquid that involves the risk of drowning
- Work in an area that may have a contaminated or flammable atmosphere

**FOOT PROTECTION**

- ![Foot Protection](image)

**HEARING PROTECTION**

- ![Hearing Protection](image)

**HIGH VISIBILITY**

- ![High Visibility](image)

**HEAD PROTECTION**

- ![Head Protection](image)

**EYE PROTECTION**

- ![Eye Protection](image)

**FACE PROTECTION**

- ![Face Protection](image)

**HAND PROTECTION**

- ![Hand Protection](image)

**PROTECTIVE CLOTHING**

- ![Protective Clothing](image)

**BREATHING PROTECTION**

- ![Breathing Protection](image)

**SUN PROTECTION**

- ![Sun Protection](image)

**SAFETY HARNESS**

- ![Safety Harness](image)

**SEAT BELT**

- ![Seat Belt](image)
## Hierarchy of Controls

<table>
<thead>
<tr>
<th>Job Task</th>
<th>Hazards</th>
<th>Risk</th>
<th>Control Measures</th>
<th>Responsible Person</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Planning</td>
<td>Struck by an object</td>
<td>4A</td>
<td>• Cabin fitted with shatterproof glass and that the cab is a F.O.P.S. (Falling Object Protective Structure)</td>
<td>Supervisor</td>
</tr>
</tbody>
</table>
|                | Fire                                         | 4A     | • Monitor and observe alerts for not operating machinery on high fire risk days in the area  
• Consider rescheduling operations.                                     | Supervisor         |
| 2. Working outdoors | Bites & stings from insects, reptiles, hazardous plants | 3H     | • First Aid requirements:    
  o Provision of first aid equipment - adequate Bites/Stings First Aid kit is available    
  o Each worker must have access to the equipment    
  o Workers have access to facilities for the administration of first aid    
  o Ensure vaccinations (such as Hepatitis B, tetanus etc.) offered for staff    
  o Persons with known allergic responses should consult a doctor and ensure appropriate kit is available at all times (Including EpiPen - in date). | Supervisor to maintain awareness of weather conditions Operator to follow controls |

### Likely

<table>
<thead>
<tr>
<th>Likelihood</th>
<th>Insignificant</th>
<th>Minor</th>
<th>Moderate</th>
<th>Major</th>
<th>Catastrophic</th>
<th>Score</th>
<th>Action</th>
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<tbody>
<tr>
<td>High</td>
<td>3 - High</td>
<td>3 - High</td>
<td>4 - Acute</td>
<td>4 - Acute</td>
<td>4 - Acute</td>
<td>4A - Acute</td>
<td>DO NOT PROCEED.</td>
</tr>
<tr>
<td>Medium</td>
<td>2 - Moderate</td>
<td>3 - High</td>
<td>4 - Acute</td>
<td>4 - Acute</td>
<td>4 - Acute</td>
<td>3H - High</td>
<td>Review before commencing work.</td>
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<tr>
<td>Low</td>
<td>1 - Low</td>
<td>2 - Moderate</td>
<td>3 - High</td>
<td>4 - Acute</td>
<td>4 - Acute</td>
<td>2M - Moderate</td>
<td>Maintain control measures.</td>
</tr>
<tr>
<td>1L - Low</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1L - Low</td>
<td>Record and monitor.</td>
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### Possible

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<td>4 - Acute</td>
<td>4A - Acute</td>
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<td>4 - Acute</td>
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### Rare

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### Hierarchy of Controls

- **Most Effective**: Elimination, Substitution, Isolation, Engineering, Administrative, PPE
- **Least Effective**: None

### Job Task

1. **Planning**
   - **Risk**: High
   - **Control Measures**: Separate workers from the hazard, Control the hazard, Use personal protective equipment (PPE), Isolate the hazard, Eliminate the hazard, Minimize the hazard, Remove hazards, Reduce vulnerability.
   - **Responsible Person**: Supervisor

2. **Working outdoors**
   - **Risk**: High
   - **Control Measures**: Separate workers from the hazard, Control the hazard, Use personal protective equipment (PPE), Isolate the hazard, Eliminate the hazard, Minimize the hazard, Remove hazards, Reduce vulnerability.
   - **Responsible Person**: Supervisor to maintain awareness of weather conditions Operator to follow controls

### Health and Safety

- **Injuries**: Struck by an object, Bites & stings from insects, reptiles, hazardous plants, Extreme weather, Hyperthermia, Hypothermia
- **Workplace Hazards**: Fire, Hyperthermia, Hypothermia
- **Risk Assessment**: Likelihood, Insignificance, Minor, Moderate, Major, Catastrophic
- **Control Measures**: Elimination, Substitution, Isolation, Engineering, Administrative, PPE
- **Responsible Person**: Supervisor, Operator

### Hazards

- **Struck by an object**
  - **Risk**: High
  - **Control Measures**: Separate workers from the hazard, Control the hazard, Use personal protective equipment (PPE), Isolate the hazard, Eliminate the hazard, Minimize the hazard, Remove hazards, Reduce vulnerability.
  - **Responsible Person**: Supervisor

- **Bites & stings from insects, reptiles, hazardous plants**
  - **Risk**: High
  - **Control Measures**: Separate workers from the hazard, Control the hazard, Use personal protective equipment (PPE), Isolate the hazard, Eliminate the hazard, Minimize the hazard, Remove hazards, Reduce vulnerability.
  - **Responsible Person**: Supervisor to maintain awareness of weather conditions Operator to follow controls

- **Extreme weather**
  - **Risk**: High
  - **Control Measures**: Separate workers from the hazard, Control the hazard, Use personal protective equipment (PPE), Isolate the hazard, Eliminate the hazard, Minimize the hazard, Remove hazards, Reduce vulnerability.
  - **Responsible Person**: Supervisor to maintain awareness of weather conditions Operator to follow controls

- **Hyperthermia**
  - **Control Measures**: Ensure vehicle cabin is air-conditioned, Workers trained to recognise the symptoms of hyperthermia and hypothermia, Hot conditions, Ensure: Suitable protective clothing, Sun brim on hard hats, Safety glasses - UV rated, Use 30+ sunscreen on exposed skin, Adequate drinking water, Access to shade on breaks, Adequate breaks.

- **Hypothermia**
  - **Control Measures**: Cold conditions, Ensure: Schedule warm-up breaks, Hold breaks inside, Dress warmly in layers, Stay dry (wet clothing chills the body rapidly), Workers must get out of the cold as soon as they can if starting to feel symptoms, Alcohol, cigarettes, caffeine and certain medications increase susceptibility to cold.
<table>
<thead>
<tr>
<th>JOB TASK</th>
<th>HAZARDS</th>
<th>RISK</th>
<th>CONTROL MEASURES</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• Roll-over</td>
<td>4A</td>
<td>Establish communication with victims (if applicable) and maintain for entire rescue. Conduct response as required for specific conditions at the site.</td>
</tr>
<tr>
<td></td>
<td>• Crush injuries</td>
<td></td>
<td><strong>OPERATOR:</strong></td>
</tr>
<tr>
<td></td>
<td>• Amputation</td>
<td></td>
<td>o Do not attempt to jump from the vehicle during roll-over – remain in the seat with seatbelt on</td>
</tr>
<tr>
<td></td>
<td>• Entanglement</td>
<td></td>
<td>o After the incident has occurred, if able, turn off the engine</td>
</tr>
<tr>
<td></td>
<td>• Fatality</td>
<td></td>
<td>o Remain in position with the seatbelt on until help arrives, unless it is safe to exit the cabin</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>o If it is safe and injuries permit, exit cabin without jumping, and move clear from the vehicle</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>PERSONNEL:</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>o Clear non-essential persons from the area</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>o Check for fuel and fluid leaks. <strong>Ensure there are no ignition sources</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>o Check for fire or fire/explosion risks. Use suitable fire protection equipment to control fire (if safe to do so)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>o <strong>Do not approach</strong> the vehicle until Emergency Responders attend the scene</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>NOTE:</strong> Vehicle may be unstable and unsafe to approach</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>Do not place first responders at risk</strong> – await assistance from suitably trained and resourced Emergency Responders.</td>
</tr>
</tbody>
</table>

**OVERALL RISK RATING AFTER CONTROLS**

| PERMITS | ☐ Not applicable | ☑ Hot Work | ☐ Confined Space | ☐ Local council | ☐ | ☐ |

**SITE MANAGEMENT PLAN**

Is the work associated with a Construction Project? ☐ Yes ☐ No

If yes – This SWMS must align with requirements of the Site Management Plan in place for the Construction Project.

**PLANT & EQUIPMENT**

- Electrical tools and leads: Tested and tagged quarterly
- Hand tools - Meet AS/NZS: Regular visual inspection
- Ladders - Meet AS/NZS: Inspected and tagged out if damaged
- Mobile plant: Inspected and tagged out if damaged

**HAZARDOUS SUBSTANCES**

- List hazardous substances taken on-site and have the SDS on-site.

**SUPERVISORY ARRANGEMENTS**

- ☐ Audits
- ☐ Spot Checks
- ☐ Reporting systems
- ☐ Suitably qualified supervisors for job
- ☐ Direct on-site supervision
- ☐ Remote site: communication systems/schedule