

### IMPLEMENTATION

#### Aim

To prescribe the responsibilities and overarching actions required for the management of hazards during University related activities to ensure the University meets the requirements of the [Health, Safety and Wellbeing \(HSW\) Policy](#) and the relevant sections of the [Work Health and Safety Act 2012 \(SA\)](#) and [Work Health and Safety Regulations 2012 \(SA\)](#).

#### 1 Objectives

- 1.1 To identify and manage the risks to health and safety by eliminating the risk, so far as reasonably practicable, or if not reasonably practicable, to minimise the risk in accordance with the [hierarchy of controls](#) [WHS Regulations 2012, Sections 34 - 38].
- 1.2 To ensure risk assessments have been completed for activities in accordance with the [5 Step Hazard Management process](#) (Appendix A) where required.

#### 2 Scope and application

- 2.1 This process applies to [workers](#) who are undertaking University of Adelaide related activities (including those working off campus).

##### 2.2 Application

The Hazard Management chapter provides overarching roles, responsibilities, processes and templates for the broad management of hazards and risks to health and safety.

The [HSW Handbook](#) provides additional and specific information on other Hazard Management activities to assist those with responsibilities to meet WHS legislative requirements (e.g. for Contractor activities and hazard management, refer to the requirements in the [Contractor Safety Management](#) HSW Handbook chapter).

The principles of hazard management apply to both physical and psychological risks.

Further guidance specific to psychological risks is available in the Guide: [Integrated approach to work-related psychosocial health and safety](#) and the [Guide for preventing and responding to workplace bullying](#).

#### 3 Process: Hazard Management

Person Responsible		Actions
3.1	Head of Faculty/Division/ School/Branch/ Institute	<ul style="list-style-type: none"> <li><input type="checkbox"/> Take reasonable steps to:               <ul style="list-style-type: none"> <li><input type="checkbox"/> gain an understanding of the nature of the operations under your control and generally of the hazards and risks associated with those operations;</li> <li><input type="checkbox"/> ensure that the areas under your control have appropriate resources and processes to eliminate or minimise risks to health and safety from work carried out; and</li> <li><input type="checkbox"/> ensure the Faculty/Division has appropriate processes for receiving information regarding hazards and risks in a timely way.</li> </ul> </li> </ul>

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3 Process: Hazard Management (Continued)

Person Responsible	Actions
<p>3.2 <a href="#">Supervisor/Person in control of the area/activity</a></p>	<ul style="list-style-type: none"> <li>❑ Ensure that the reasonably foreseeable hazards, associated with the operations in your area(s) of control, are managed (i.e. the risk to health and safety is eliminated or minimised). The operations in your area include:                             <ul style="list-style-type: none"> <li>❑ the physical work environment;</li> <li>❑ plant/equipment, materials and substances used;</li> <li>❑ work tasks and how they are performed;</li> <li>❑ work design and management; and</li> <li>❑ changes to any of the above.</li> </ul>                             in accordance with the <a href="#">5 step Hazard Management process</a> (Appendix A)                         </li> <li>❑ Ensure there is a process for workers to receive the relevant level of <a href="#">HSW information, instruction and training</a> on the hazards, associated control measures and where to access safety information in their area(s) of work, before they undertake the activity.</li> <li>❑ Ensure all workers and students have access to the following Risk assessment templates if a formal risk assessment is required. <a href="#">Single Task (Appendix B1)</a>; <a href="#">Multiple tasks (Appendix B2)</a> and <a href="#">Short Form (Appendix B3)</a> or equivalent template electronically or in hard copy.</li> <li>❑ Ensure that the control(s) selected provide the highest level that is reasonably practicable under the Hierarchy of Controls. (See <a href="#">Hierarchy of control measures Appendix A page 6</a>).</li> <li>❑ Ensure that specific control measures that are mandated are documented on the Risk assessment and that these have a direct correlation with the hazard that they are controlling.</li> <li>❑ Consult, co-operate and co-ordinate as far as reasonably practicable with other workers who carry out the activity, or are likely to be directly affected (e.g. where co-location arrangements are in place), including Health and Safety Representatives (if applicable), when controlling and reviewing the risk.</li> <li>❑ Ensure that if you are planning to occupy a new/leased/refurbished work space, that the principles of good work design have been considered. Refer to the <a href="#">New/Leased/Refurbished workplace – Safety checklist</a> for guidance.</li> <li>❑ Check if there are any relevant <a href="#">Approved Codes of Practice</a> or <a href="#">Australian Standards</a>, Safety Data Sheet (SDS) or <a href="#">HSW Handbook</a> chapters that outline the controls that are to be followed, unless there is another solution which achieves the same or a better standard of health and safety.</li> <li>❑ Ensure that where it has been decided that a <a href="#">Safe operating procedure</a> is required as a control within a Risk assessment that, the Safe operating procedure is created in accordance with Appendix C or an equivalent template.</li> <li>❑ Check the residual risk rating after control measures have been determined and ensure that the appropriate authorisations are held.</li> </ul> <p style="text-align: right;">Continued</p>

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3 Process: Hazard Management

Person Responsible	Actions
<p>3.2 <a href="#">Supervisor/Person in control of the area/activity</a></p> <p>(Continued)</p>	<p><b>AUTHORISATIONS TO COMPLETE THE ACTIVITY</b></p> <p>For any formal risk assessments where the highest residual risk rating is:</p> <ul style="list-style-type: none"> <li>❑ <b>Low or medium</b>  <u>Staff and student (Undergraduate and Post Graduate) created Risk assessments</u>                      Require:                     <ul style="list-style-type: none"> <li>❑ authorisation by the Supervisor/Person in control of the area/activity on the Risk Assessment, or other formal authorisation record. (It is not appropriate for a student to authorise the risk assessment.)</li> </ul> </li> <li>❑ <b>High</b>  <u>Staff and student (Undergraduate and Post Graduate) created Risk assessments</u>                      Require:                     <ul style="list-style-type: none"> <li>❑ the Head of School/Branch to review the risk assessment and where intending to permit the activity as documented, to raise a risk under the University's Risk management framework (refer to Section 4.1); then</li> <li>❑ authorisation by the Head of School/Branch and Supervisor/Person in control of the area/activity on the Risk assessment, or other formal authorisation record.</li> </ul> </li> <li>❑ <b>Very high</b>  <u>Staff and student (Undergraduate and Post Graduate) created Risk assessments</u>                      Require:                     <ul style="list-style-type: none"> <li>❑ the Head of School/Branch to review the risk assessment and where intending to permit the activity as documented, to raise a risk under the University's Risk management framework (refer to Section 4.1); then</li> <li>❑ authorisation by the Executive Dean/Divisional Head in addition to the Head of School/Branch and the Supervisor/Person in control of the area/activity on the Risk assessment, or other formal authorisation record.</li> </ul> </li> </ul> <p><i>Note: Approval for travel to a high/very high risk destination (i.e. DFAT 3 or 4) will also need approval by the Pro Vice-Chancellor (International) in accordance with the <a href="#">Travel &amp; Entertainment Policy &amp; Procedures</a>.</i></p>

4 Process: Risk Management for activities where the residual risk rating is high or very high

Person Responsible	Actions
<p>4.1 <b>Head of School/Branch or Executive Dean/Divisional Head</b></p>	<ul style="list-style-type: none"> <li>❑ Raise a risk under the University's <a href="#">Risk management framework</a> through the <a href="#">University Risk Register</a>.</li> <li>❑ Monitor and report on progress and outcomes in accordance with the Risk management framework.</li> </ul> <p><i>Note: The requirement to raise a risk under the University's Risk management framework does not apply to high/very high residual risk travel. The <a href="#">high risk travel process</a> will provide Legal and Risk Branch with the relevant information as part of the approval process.</i></p>

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5 Process: Ongoing Hazard Management

Person Responsible	Actions
<p>5.1 <a href="#">Supervisor/Person in control of the area/activity</a></p>	<ul style="list-style-type: none"> <li>❑ Ensure that the workers you are supervising are following the <a href="#">5 steps of the hazard management process</a> for every task. (Refer to Appendix A)</li> <li>❑ Ensure that workers remain informed of the relevant hazards to which they may be exposed in their work area and any relevant control measures.</li> <li>❑ Ensure that any <a href="#">Level 2 instruction</a> (e.g. Proficiency) or <a href="#">Level 3 training</a> (e.g. a qualification/competency) required by a risk assessment is added to the <a href="#">Training Plan</a> (or equivalent) and instruction/training provided to relevant workers in accordance with the HSW Handbook chapter <a href="#">Provision of HSW Information, Instruction and Training</a>.</li> <li>❑ Monitor that control measures are being implemented and provide additional supervision if/where required based on the level of risk and experience of the worker(s).</li> <li>❑ Ensure that, where a control measure requires regular programmed testing or maintenance, the activity is added to the <a href="#">Schedule of Programmable Events</a> (or equivalent), unless this requirement is centrally managed (e.g. by Infrastructure Branch).</li> <li>❑ Ensure that control measures are and remain:                         <ul style="list-style-type: none"> <li>❑ fit for purpose;</li> <li>❑ suitable for the nature and duration of the work; and</li> <li>❑ installed, set up and used correctly.</li> </ul> </li> <li>❑ Review the control measures if:                         <ul style="list-style-type: none"> <li>❑ a new/previously unforeseen hazard has been introduced; or</li> <li>❑ requested by a Health and Safety Representative; or</li> <li>❑ new legislation is introduced; or</li> <li>❑ new information becomes available which could eliminate or minimise the risk.</li> </ul> <p>to ensure they remain in place and are effective.</p> </li> <li>❑ Ensure that Risk assessments and controls are reviewed following an incident, if control measures were ineffective in controlling the risk, in consultation with the <a href="#">local HSWO</a> and any other relevant workers in accordance with the HSW Handbook chapter <a href="#">Incident investigation</a>.</li> </ul>
<p>5.2 <b>Workers</b></p>	<ul style="list-style-type: none"> <li>❑ Implement controls as documented in Risk assessments.</li> <li>❑ Follow reasonable instructions, safety measures (e.g. lab rules) and Safe operating procedures (where applicable) for any activity you are required to undertake. This includes any requirement to wear personal protective equipment in accordance with the information, instruction and training provided.</li> <li>❑ Undertake hazard management where required and assist in any hazard management process where required/requested by your Supervisor/Person in control of the activity/area.</li> </ul> <p style="text-align: right;">Continued</p>

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5 Process: Ongoing Hazard Management (Continued)

Person Responsible	Actions
5.2 Workers (Continued)	<ul style="list-style-type: none"> <li><input type="checkbox"/> Report:                             <ul style="list-style-type: none"> <li><input type="checkbox"/> to the Supervisor/Person in control of the activity/area; and/or</li> <li><input type="checkbox"/> to your <a href="#">local HSW Team</a>; or</li> <li><input type="checkbox"/> to a <a href="#">Health and Safety Representative</a>; or</li> <li><input type="checkbox"/> using the on-line <a href="#">Report a safety issue</a>,</li> </ul>                             where you consider that one or more control measures are not effective in controlling the risks associated with any activity, or if you have concerns that the activity may place you or any other person at risk of injury/illness.                         </li> </ul>
5.3 Head of School/Branch in consultation with the <a href="#">local HSW Team</a> (if required)	<ul style="list-style-type: none"> <li><input type="checkbox"/> Ensure that the School/Branch Annual Hazard Review <a href="#">Template</a>, is completed at the beginning of each year.</li> </ul>

6 Process: Documentation and retention of records

Person Responsible	Actions
6.1 <a href="#">Supervisor/Person in control of the area/activity</a>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Ensure a copy of the Risk assessment is provided to the HSWO as part of any Incident Investigation process when one has been completed for the activity.</li> <li><input type="checkbox"/> Ensure there is a system for retaining formal Risk assessments in accordance with the State Records of SA, General disposal <a href="#">Schedule No 30</a> issued under the State Records Act 1997. (Contact the University's <a href="#">Records Management Office</a> for further assistance/information if required).</li> <li><input type="checkbox"/> Ensure workers have access to current Risk Assessments and where required by a Risk assessment, any Safe operating procedures.</li> </ul>

7 Definitions

**Biological hazards**

Biological hazards are organic substances that pose a threat to the health of humans and other living organisms. Biological hazards include pathogenic micro-organisms, viruses, toxins (from biological sources), spores, fungi and bio-active substances. Biological hazards can also be considered to include biological vectors or transmitters of disease.

Note: Areas may use a control banding approach when managing biological hazards (e.g. “Standard Precautions” to achieve a basic level of infection prevention and control which are used at all times in all situations). However additional precautions are to be used when standard precautions alone are not sufficient to prevent the spread of an infectious agent. Refer to the [SA Health website](#) for further guidance for “Preventing and responding to work related exposure to infectious disease”.

**Competency** (for the purposes of University Training)

Achievement of a Licence, Qualification or Statement of Attainment following formal training against specific assessment criteria by an authorised or Nationally Recognised Training Organisation.

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7 **Definitions (Continued)**

**Control banding (CB)**

CB is a technique which enables an area to group activities or locations together and to complete a single risk assessment, as the control measures eliminate or minimise the risk in the same way.

(e.g. this technique may be used when grouping activities for similar equipment or chemicals to reduce the number of risk assessments required such as Standard Precautions for Biological hazards).

**Event**

Any programmed activity which changes the environment/venue for which it was otherwise intended; or introduces a foreseeable safety hazard(s) due to the nature of the event/activity/function.

**Hazard**

Refers to a source of potential harm (injury/illness).

**Hazardous chemical (Refer to [Safework SA website for further guidance](#))**

A substance, mixture or article that satisfies the criteria for a hazard class in the Globally Harmonised System of Classification and Labelling of Chemicals (GHS), including a classification referred to in Schedule 6 [Work Health and Safety Regulations 2012 \(SA\)](#), but does not include a substance, mixture or article that satisfies the criteria solely for one of the following hazard classes:

- (a) acute toxicity – oral – category 5
- (b) acute toxicity – dermal – category 5
- (c) acute toxicity – inhalation – category 5
- (d) skin corrosion/irritation – category 3
- (e) serious eye damage/irritation – category 2B
- (f) aspiration hazard – category 2
- (g) flammable gas – category 2
- (h) acute hazard to the aquatic environment – category, 1, 2 or 3
- (i) chronic hazard to the aquatic environment – category 1, 2, 3 or 4
- (j) hazardous to the ozone layer.

Note - Hazardous chemicals may present an immediate or long term risk to human health through their toxicological properties, or a risk to safety of persons and property as a result of their physicochemical hazards. Risks include:

- Fire and smoke related injuries
- Explosion related injuries
- Skin exposure: symptoms include skin dryness, blistering, redness, rashes, and itching.
- Eye exposure: the most common symptoms of eye exposure are burning, itching, and watering of the eyes.
- Respiratory tract exposure: symptoms may include headache, nose and throat irritation, dizziness, and disorientation.
- Chronic disease

**Hazardous manual activity**

An activity that requires a person to lift, lower, push, pull, carry or otherwise move, hold or restrain any person, animal or thing that involves one or more of the following:

- (a) repetitive or sustained force
- (b) high or sudden force
- (c) repetitive movement
- (d) sustained or awkward posture
- (e) exposure to vibration

Where one or more of the above factors have been identified as part of an activity, the body could become overloaded and lead to a musculoskeletal disorder (MSD)/injury:

- sprains and strains of muscles, ligaments and tendons;
- back injuries, including damage to the muscles, tendons, ligaments, spinal discs, nerves, joints and bones;
- joint and bone injuries/degeneration, including injuries to the shoulder, elbow, wrist, hip, knee, ankle, hands and feet;
- nerve injuries or compression (e.g. carpal tunnel syndrome);
- muscular and vascular disorders as a result of hand-arm vibration;
- soft tissue hernias;
- chronic pain.

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7 Definitions (Continued)

**Hazardous plant**

Any plant/equipment used for a work/task related activity that:

- has the potential:
  - to entangle, crush, cut/stab/puncture, trap, shear, tear or strike (i.e. safe-guarding is required);
  - for a pinch point to trap any part of the body or catch loose clothing, hair etc (e.g. conveyor, gears, loaders and other moving equipment);
  - for a worker to come into contact with fluids under high pressure;
  - to cause a serious burn/injury;
  - to expose the worker to live electrical conductors;
  - to expose the worker to gases/vapours/liquids/dusts/other substances triggered by the operation;
  - to explode or implode;
  - to exceed safe noise levels;
  - for the worker to adopt poor posture (see definition for a Hazardous Manual Activity);
  - to overturn, collide with another person or thing (e.g. moving powered plant);
- lifts or suspends a load;
- is an industrial robot or other remotely or automatically energised plant at the workplace;
- involves non-ionising radiation or high level magnetic fields;
- requires registration in accordance with Schedule 5 of the [Work Health and Safety Regulations 2012 \(SA\)](#).  
(e.g. an autoclave, forklift, cryostat, boiler, lathe, industrial robot, scaffolding, boiler, laser, microtome, elevated work platform, crane, gantry, reach stacker, pressure equipment)

Refer to the [HSW Handbook chapter Plant/Equipment Safety Management](#) for additional information.

**Hierarchy of Control**

The process to eliminate, or where this is not possible, manage the risks to as low a level as is reasonably practicable. They are listed below in order of most to least effective. See [Appendix A page 6](#) for further guidance.

<b>Level 1 control:</b>	Elimination (e.g. remove the hazard from the site)
<b>Level 2 controls</b>	Substitution (e.g. replace the item or substance or activity with a less hazardous one) Isolation (e.g. remove the opportunity of contact with the hazard by distance from work activities) Engineering (e.g. guarding, barriers, electronic guarding such as light curtains)
<b>Level 3 controls</b>	Administration (e.g. Safe operating procedure, supervision, training, maintenance programs) Personal Protective Equipment (e.g. gloves, safety glasses, laboratory coats)

**HSW information, instruction and training**

(Refer to HSW Handbook chapter [Training Plan](#) for further information.

There are 3 levels. Generally the higher the risk, the higher the level of information, instruction and training is required.

1. Level 1: Information  
Provides general information to participants. This type of training is suitable where no proficiency, qualification or licence is required.
2. Level 2: Instruction  
Provides a higher level of instruction to manage the risk associated with the activity and requires a record to be kept. There are three types of instruction; these relate to instruction around Hazardous Chemicals, instruction related to the controls for high or very high risk activities and proficiency based instruction. Proficiency based instruction will generally have a documented practical component to enable the trainee to observe the process from beginning to end, and then demonstrate back to their trainer/assessor that they are proficient/skilled to undertake the task or operate the equipment without supervision.
3. Level 3: Training  
This type of training is required where the operator must attend formal training by an authorised or Nationally Recognised Training Organisation that will provide the trainee with a statement of attainment, qualification or licence following successful completion of the training. Examples may include: first aid training, forklift training, work associated with rigging, cranes, hoists, confined space entry, scaffolding, dogging, work at height, operation of load-shifting equipment, firearms, electrical, asbestos removal and licence to use or handle a radioactive substance.

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7 **Definitions (Continued)**

**Inherent risk**

The associated risk before implementation of risk controls.

**Proficiency (See HSW information, instruction and training – Level 2: Instruction)**

**Reasonably practicable [WHS Act 2012, Section 18]**

“in relation to a duty to ensure health and safety, means that which is, or was at a particular time, reasonably able to be done in relation to ensuring health and safety, taking into account and weighing up all relevant matters including –

- a) the likelihood of the hazard or risk concerned occurring; and
- b) the degree of harm that might result from the hazard or risk; and
- c) what the person concerned knows, or ought reasonably to know, about –
  - i. the hazard or the risk; and
  - ii. ways of eliminating or minimising the risk; and
- d) the availability and suitability of ways to eliminate or minimise the risk; and
- e) after assessing the extent of the risk and the available ways of eliminating or minimising the risk, the cost associated with available ways of eliminating or minimising the risk, including whether the cost is grossly disproportionate to the risk.”

**Residual risk**

The risk remaining after implementation of risk controls.

**Risk**

The possibility that harm (death, injury or illness) might occur when exposed to a hazard.

**Risk assessment (RA)**

The process of evaluating the probability and consequences of injury or illness arising from exposure to an identified hazard or hazards.

**Risk control**

Taking action to eliminate health and safety risks so far as is reasonably practicable, and if that is not possible, minimising the risks so far as is reasonably practicable.

(A control measure minimises the risk either by reducing the likelihood and/or the consequence.)

**Safe operating procedure (SOP)**

A document created as a control under a risk assessment where an activity requires work to be performed in a particular sequence in order to carry out the work safely.

A SOP, if identified as a control measure, must :

- identify the steps required to perform the work safely;
- specify/address the identified hazards relating to the work at each step;
- describe the measures to be implemented to control the risks;
- take into account the circumstances at the workplace that may affect the way in which the work is carried out;
- take into account emergency management arrangements where applicable; and
- be communicated to all workers who carry out the work.

**Supervisor/Person in control of the area/activity**

(This includes a Head of School/Branch)

In the context of this chapter the supervisor has two meanings:

1. the line manager of a staff member or the principal supervisor of a higher degree research student. The responsibility of this type of supervisor is captured in section 3.2 and should be read in relation to all activity other than where the worker’s activity is supervised by someone as described in the second meaning below.
2. any other individual who (separate to the line manager/principle supervisor) has control of a laboratory, clinic, workshop, field activity or other activity in which the worker is participating or working. For example a workshop manager who has control of what is undertaken and/or who determines which workers may/may not work within the workshop they control. These supervisors also have the responsibility captured in section 3.2 for the activities under their control. (Note: Control means that these individuals have the right to deny access to or stop any activity until they are satisfied that the activity can occur safely.)

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**7 Definitions (Continued)**

**Worker (WHS Act 2012)**

A person is a worker if the person carries out work in any capacity for a person conducting a business or undertaking, including work as –

- an employee; or
- a contractor or subcontractor; or
- an employee of a contractor or subcontractor; or
- an employee of a labour hire company who has been assigned to work in the person’s business or undertaking; or
- an outworker; or
- an apprentice or trainee; or
- a student gaining work experience; or
- a volunteer; or
- a person of a prescribed class.

The person conducting the business or undertaking is also a worker if the person is an individual who carries out work in that business or undertaking.

Note: Higher Degree Research and Honours (Research) students and Academic Visitors are likely to be workers under the WHS Act (2012).

**8 Performance Measures**

The HSW Team will use performance measures to assist in identifying areas of success and/or where corrective action is required to meet the objectives and targets of this process.

The level of compliance with the chapter and effectiveness will be determined during the internal audit process.

**9 Useful information and resources**

<b>9.1</b>	<b>University related documents</b> <a href="#">HSW Policy Statement</a> <a href="#">HSW Handbook</a>	
	<ul style="list-style-type: none"> <li>• <a href="#">Asbestos</a></li> <li>• <a href="#">Biological Safety</a></li> <li>• <a href="#">Boating Operations</a></li> <li>• <a href="#">Bullying at Work (Preventing &amp; Responding to)</a></li> <li>• <a href="#">Chemical Safety Management</a></li> <li>• <a href="#">Children in the workplace</a></li> <li>• <a href="#">Confined spaces</a></li> <li>• <a href="#">Contractor safety management</a></li> <li>• <a href="#">Diving</a></li> <li>• <a href="#">Drugs and Alcohol</a></li> <li>• <a href="#">Electrical Safety</a></li> <li>• <a href="#">Emergency Management</a></li> <li>• <a href="#">Events Safety Management</a></li> <li>• <a href="#">Off campus activity (including Field Work)</a></li> <li>• <a href="#">First Aid Management</a></li> <li>• <a href="#">Firearms Safety Management</a></li> <li>• <a href="#">Hot Work</a></li> <li>• <a href="#">Incident Reporting and Investigation</a></li> <li>• <a href="#">Induction (HSW)</a></li> </ul>	<ul style="list-style-type: none"> <li>• <a href="#">Infectious and Communicable Diseases</a></li> <li>• <a href="#">Injury Management</a></li> <li>• <a href="#">Laboratory Safety</a></li> <li>• <a href="#">Manual Handling and Ergonomics</a></li> <li>• <a href="#">Noise and Sound Safety Management</a></li> <li>• <a href="#">Personal Protective Equipment</a></li> <li>• <a href="#">Plant/Equipment Safety Management</a></li> <li>• <a href="#">Prevention of Falls</a></li> <li>• <a href="#">Provision of HSW information, instruction and training</a></li> <li>• <a href="#">Radiation</a></li> <li>• <a href="#">Smoke-Free University</a></li> <li>• <a href="#">Student Placement</a></li> <li>• <a href="#">Temperature Extremes</a></li> <li>• <a href="#">Travel Safety</a></li> <li>• <a href="#">Workplace Monitoring (Including New/Leased/Refurbished Workplace – Safety Checklist)</a></li> </ul>
<b>9.2</b>	<b>Related Legislation</b> <a href="#">Work Health and Safety Act 2012 (SA)</a> <a href="#">Work Health and Safety Regulations 2012 (SA)</a> <a href="#">Approved Codes of Practice (including How to Manage work health and safety risks)</a> <a href="#">Australian Standards</a>	
<b>9.3</b>	<b>Useful Web-links</b> <a href="#">University Incident reporting system</a> <a href="#">SafeWork SA</a> <a href="#">SafeWork Australia</a> <a href="#">SafeWork Australia Principles of good work design handbook</a> <a href="#">University HSW Information (on-line) sessions</a>	

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HAZARD IDENTIFICATION (EXAMPLES)	If the hazard is applicable to the activity, then transfer the hazard and how the worker could be exposed onto your Risk assessment template
HAZARD IDENTIFICATION: Stop and think. What could cause harm?	
Identify each hazard that is part of this work process	Examples of how/when the worker could be exposed to the hazard (e.g. what is the route of exposure?)
<p><b>Hazardous chemical</b></p> <p>Use of:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> a corrosive</li> <li><input type="checkbox"/> an explosive</li> <li><input type="checkbox"/> an acid</li> <li><input type="checkbox"/> a flammable liquid/solid/gas</li> <li><input type="checkbox"/> a toxic poison</li> </ul> <p>Including hazardous waste</p> <p>Where practical name the category or name of chemical on the Risk assessment.</p> <p>The SDS for the chemical will provide additional information.</p> <p><b>Use of a Nanomaterial</b></p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Could the worker be exposed to potential harm via inhalation?</li> <li><input type="checkbox"/> Could the worker be exposed to potential harm via skin absorption?</li> <li><input type="checkbox"/> Could the worker be exposed to potential harm via ingestion?</li> <li><input type="checkbox"/> Could the chemical splash into the worker's eyes?</li> <li><input type="checkbox"/> Could the worker be required to work with the chemical for long periods of time?</li> <li><input type="checkbox"/> Is the chemical a carcinogen, mutagen, reproductive toxicant or sensitisation agent?</li> <li><input type="checkbox"/> Could an accidental spill place the worker and others in the vicinity at risk?</li> <li><input type="checkbox"/> Is the chemical being used in an enclosed space?</li> <li><input type="checkbox"/> Could other workers make contact with the chemical or contaminated surfaces (e.g. during cleaning, contractors entering the space)?</li> <li><input type="checkbox"/> Does the chemical require decanting, spraying, heating?</li> <li><input type="checkbox"/> Could the chemical cause a fire and explosion if there is a source of ignition?</li> <li><input type="checkbox"/> Could exposure to the chemical require an immediate first aid response (e.g. antidote, emergency shower)?</li> <li><input type="checkbox"/> Is there the potential for vapour accumulation?</li> <li><input type="checkbox"/> Is the chemical an asphyxiant?</li> <li><input type="checkbox"/> Do the storage containers need to have impact protection in place?</li> <li><input type="checkbox"/> Are there specific transfer/transport arrangements required for the chemical?</li> <li><input type="checkbox"/> Are there specific storage arrangements required for the chemical?</li> </ul> <p><input type="checkbox"/> Could the worker be exposed to nano-sized particles that could enter the body through inhalation, ingestion or contact through the skin?</p> <p>Refer to the <a href="#">Chemical Safety Management</a> Handbook chapter and <a href="#">FAQ Nanomaterials</a> for further information on the risk assessment process.</p>
<p><b>Hazardous Plant/Equipment ("Plant")</b> (During operation)</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Rotating/moving parts (e.g. shafts, pullies, sprockets, gears, belt conveyors)</li> <li><input type="checkbox"/> Hard surfaces moving together</li> <li><input type="checkbox"/> Scissor or shear action</li> <li><input type="checkbox"/> Eject objects (parts, components, waste)</li> <li><input type="checkbox"/> Sharp edge – moving/stationary</li> <li><input type="checkbox"/> Ignition sources (flame or spark)</li> <li><input type="checkbox"/> Compressed air or high pressure fluid</li> <li><input type="checkbox"/> Electricity</li> <li><input type="checkbox"/> Explosive or flammable atmosphere</li> <li><input type="checkbox"/> Ergonomic (e.g. equipment design/layout)</li> <li><input type="checkbox"/> Mobile plant/equipment (e.g. forklifts, pallet jacks, earthmoving equipment)</li> <li><input type="checkbox"/> Heat (radiated or conducted) or steam</li> <li><input type="checkbox"/> Harmful noise</li> <li><input type="checkbox"/> Poorly positioned control levers or buttons</li> </ul>	<p>Could the plant/equipment:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> entangle a person's hair, clothing, gloves, jewellery, in moving parts?</li> <li><input type="checkbox"/> crush a person (e.g. material fall off the plant, uncontrolled/unexpected movement of the plant)?</li> <li><input type="checkbox"/> stab, puncture or strike e.g. due to coming into contact with sharp or flying objects?</li> <li><input type="checkbox"/> shear a body part (e.g. between two parts of the plant/between the plant and a work structure)?</li> <li><input type="checkbox"/> expose the worker to live electrical conductors (e.g. proximity, overload of electrical circuits)?</li> <li><input type="checkbox"/> expose the worker to gases/vapours/liquids/dusts/other substances triggered by the operation?</li> <li><input type="checkbox"/> explode or implode, or reach high temperatures?</li> <li><input type="checkbox"/> exceed safe noise levels (e.g. more than 85 decibels over a normal shift or a single noise level above 140 decibels) due to very loud impact or explosive sounds?</li> <li><input type="checkbox"/> require the worker to adopt poor ergonomic posture/repeat the same movements? (see Hazardous Manual Activity)?</li> <li><input type="checkbox"/> overturn, collide with another person or thing (e.g. moving powered plant)?</li> <li><input type="checkbox"/> malfunction (e.g. is an industrial robot/remotely/automatically energised plant at the workplace)?</li> <li><input type="checkbox"/> expose the worker to hazardous levels of vibration (to whole or part of body)?</li> <li><input type="checkbox"/> cause a significant burn</li> <li><input type="checkbox"/> require energy sources to be isolated e.g. for cleaning, maintenance?</li> <li><input type="checkbox"/> require the operator to climb onto the equipment during operation?</li> <li><input type="checkbox"/> be operated in a confined space? (See FAQ <a href="#">Confined space</a> for additional guidance)</li> <li><input type="checkbox"/> controls be inadvertently bumped or knocked?</li> <li><input type="checkbox"/> require extension leads which present electrical hazards if damaged or wet?</li> <li><input type="checkbox"/> require the operator to make adjustments to the mechanism of machinery while the machine is in motion/operation?</li> <li><input type="checkbox"/> require the use of Hazardous chemicals during operation, cleaning, maintenance? (see section above)</li> </ul>

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<b>HAZARD IDENTIFICATION (EXAMPLES)</b>	<b>If the hazard is applicable to the activity, then transfer the hazard and how the worker could be exposed onto your Risk assessment template</b>
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<b>HAZARD IDENTIFICATION: Stop and think. What could cause harm?</b>	
--	--

<b>Identify each hazard that is part of this work process</b>	<b>Examples of how/when the worker could be exposed to the hazard (e.g. what is the route of exposure?)</b>
---	---

<p style="text-align: center;"><b>Hazardous manual activity</b></p> <p>The task requires a person to lift, lower, push, pull, carry or otherwise move, hold or restrain any person, animal or thing involving one or more of the following:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> repetitive or sustained force</li> <li><input type="checkbox"/> high or sudden force</li> <li><input type="checkbox"/> repetitive movement</li> <li><input type="checkbox"/> sustained or awkward posture</li> <li><input type="checkbox"/> exposure to vibration</li> </ul>	<p>Could the activity require:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> carrying objects over long distances or a load that is unbalanced/unstable/unpredictable?</li> <li><input type="checkbox"/> lifting/lowering/carrying an object that cannot be positioned close to the body?</li> <li><input type="checkbox"/> the use of a tool requiring continuous finger/pinch/open-handed grip or tight squeeze grip?</li> <li><input type="checkbox"/> the handling of frightened/resistant/unpredictable animals or a person?</li> <li><input type="checkbox"/> repetitive use of the same muscle groups (e.g. computer tasks, bending/twisting)?</li> <li><input type="checkbox"/> repeated reaching for an object (e.g. beyond normal reach, whilst sitting, with arms overhead)?</li> <li><input type="checkbox"/> transfer of an awkward/heavy item from one level to another (e.g. stairs, from the floor)?</li> <li><input type="checkbox"/> the worker to complete the task where the workplace environment poses a risk?</li> <li><input type="checkbox"/> a level of skill/experience or more than one worker due to the nature of the load?</li> </ul>
<p style="text-align: center;"><b>Heavy lifting using mechanical lifting equipment</b> (e.g. a hoist, a crane, a power shovel, a telescopic/telehandler, fork lift truck, elevating work platforms, passenger lifts/hoists)</p> <p style="text-align: center;"><small>Note</small></p> <p>If engaging a Contractor for this work, refer to the <a href="#">Contractor Safety Management</a> HSW Handbook chapter which includes the requirements for Permission to work.</p>	<p>Could the:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> activity crush another person due to the impact of moving objects or loads falling because they are not properly slinged or the wrong type of sling is used?</li> <li><input type="checkbox"/> plant/equipment strike a pedestrian?</li> <li><input type="checkbox"/> plant/equipment collapse or fall over due to improper fixation or strong wind, unsafe loads, loads exceeding the safe weight limits?</li> <li><input type="checkbox"/> plant/equipment or the load trap/crush a worker during the lift/transfer?</li> <li><input type="checkbox"/> the operator fall from a height e.g. fall from the lifting platform or when the platform moves?</li> <li><input type="checkbox"/> worker be exposed to a hazard when positioning the load?</li> <li><input type="checkbox"/> work environment interfere with communication between workers or concentration?</li> <li><input type="checkbox"/> load come into contact with overhead electrical cables, other structures or other people?</li> <li><input type="checkbox"/> plant/equipment not be fit for purpose?</li> <li><input type="checkbox"/> operator not have the necessary skills qualifications to undertake the tasks?</li> </ul>
<p style="text-align: center;"><b>Radiation</b> (Exposure to)</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Ionising radiation</li> <li><input type="checkbox"/> Sealed sources</li> <li><input type="checkbox"/> Un-sealed sources</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Could the worker be exposed to high powered lasers, x-ray machines and transilluminators?</li> <li><input type="checkbox"/> Could the worker be exposed to potential harm by breathing in radioactive dust?</li> <li><input type="checkbox"/> Could the worker absorb the radiation through their skin?</li> <li><input type="checkbox"/> Is the worker required to work with materials containing radioactive iodine?</li> <li><input type="checkbox"/> Could the worker be exposed to non-solar sources of radiation such as arc welding?</li> </ul>
<p style="text-align: center;"><b>Biological hazards</b> (Exposure to)</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Blood, tissues, saliva, mucous, urine and faeces, sewage</li> <li><input type="checkbox"/> Toxins, poisons, venom</li> <li><input type="checkbox"/> Spores, fungi and bio-active substances</li> <li><input type="checkbox"/> Biological vectors/transmitters of disease</li> <li><input type="checkbox"/> Communicable diseases</li> <li><input type="checkbox"/> Animal diseases and infections that have the potential to infect humans (e.g. Q-fever, Avian flu, Hendra virus)</li> <li><input type="checkbox"/> Harmful plants</li> <li><input type="checkbox"/> Animal and bird droppings</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Could micro-organisms enter the body through the respiratory system?</li> <li><input type="checkbox"/> Could there be transmission through contact with body fluids of the infected person/animal?</li> <li><input type="checkbox"/> Could the worker come into contact with contaminated objects?</li> <li><input type="checkbox"/> Is the worker in contact with laboratory cell cultures, soil, plant materials, organic dusts, wastewater or sewerage?</li> <li><input type="checkbox"/> Is the worker working with animals?</li> <li><input type="checkbox"/> Could the worker be exposed to a venomous bite or sting?</li> <li><input type="checkbox"/> Is the worker working in a hospital, dental practice, health care setting (including home healthcare)?</li> </ul>
<p style="text-align: center;"><b>Psychosocial/stress/duress</b> (Exposure to)</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Personal threat</li> <li><input type="checkbox"/> Fatigue</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Could the worker be exposed to trauma?</li> <li><input type="checkbox"/> Could the worker be exposed to occupational violence, aggression, abuse or assault?</li> <li><input type="checkbox"/> Could the worker be exposed to constant work demands (e.g. heavy workload, physical and/or mental exertion)?</li> <li><input type="checkbox"/> Is the worker, working alone for extended periods or in remote locations?</li> <li><input type="checkbox"/> Is the worker meeting with clients that are unfamiliar and/or in an unfamiliar environment when on their own?</li> </ul>

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<b>HAZARD IDENTIFICATION (EXAMPLES)</b>	<b>If the hazard is applicable to the activity, then transfer the hazard and how the worker could be exposed onto your Risk assessment template</b>
<b>HAZARD IDENTIFICATION: Stop and think. What could cause harm?</b>	
<b>Identify each hazard that is part of this work process</b>	<b>Examples of how/when the worker could be exposed to the hazard (e.g. what is the route of exposure?)</b>
<b>Fall from one level to another / Falling objects</b>	<input type="checkbox"/> Could the worker fall from a cliff? <input type="checkbox"/> Could the worker fall from a ladder, work platform or item of plant/equipment? <input type="checkbox"/> Could the worker fall from a roof or through a structure, fragile surface? <input type="checkbox"/> Could the worker fall into an unguarded hole in the floor such as hatchway, inspection hole, pit, tank or machinery? <input type="checkbox"/> Could the worker be hit by a falling object?
<b>High risk travel</b> (Travel to a high risk destination)	<input type="checkbox"/> Is the worker travelling to a DFAT level 3 destination? i.e. Reconsider your need to travel (This level means that there are serious and potentially life threatening risks that make the destination unsafe for tourism and unsuitable for most travellers. This could be due to an ongoing threat of terrorism or kidnapping, frequent incidents of violent crime, ongoing civil unrest, widespread disease, or other safety risks including a natural disaster.) <input type="checkbox"/> Is the worker travelling to a DFAT level 4 destination? i.e. Do not travel (This level means that the security situation is extremely dangerous. This may be due to a high threat of terrorist attack or kidnapping, ongoing armed conflict, violent social unrest, or critical levels of violent crime. It is often a combination of these.)  The DFAT <a href="#">Smart traveller website</a> provides additional information. The <a href="#">Travel &amp; Entertainment Policy &amp; Procedures</a> sets out the approval process for travel to a high/very high risk destination.
<b>Operation of a drone</b> (Regardless of the size or if operated indoors or outdoors)	<input type="checkbox"/> Is the worker operating a drone for work purposes? Refer to the University website - The <a href="#">Unmanned Research Aircraft Facility (URAF)</a> for all compliance requirements including risk assessments.  Strict protocols apply to all University activities requiring the operation of a drone to meet the requirements for Remotely Piloted Aircraft Systems under the Civil Aviation Act and Regulations. All operations regardless of drone type or activity must be approved by the University's Chief Remote Pilot. Non-compliance by any University staff or students could lead to the cancellation of our licence which would impact on all University pilots and mean that all University drones would be grounded. No insurance cover will apply.
<b>Electrical</b> <input type="checkbox"/> Electric shock (working on or near power lines or live power) <input type="checkbox"/> Hidden wiring/cables (wall or ground penetration)	<input type="checkbox"/> Could the worker be penetrating a wall or ground and there is the potential for contact with electrical wiring/cables? <input type="checkbox"/> Could the worker be operating electrical equipment near water (beyond what the manufacturer intended) or outdoors? <input type="checkbox"/> Could the equipment be chewed on by animals? <input type="checkbox"/> Is the electrical cord subject to crushing or crimping? <input type="checkbox"/> Could the equipment be in direct contact with dust, vibration, heat, or corrosive chemicals that could cause damage to the item? <input type="checkbox"/> Could the equipment be immersed in water or in an environment where there is condensation on the floors or walls?
<b>Boating and diving activity</b>	<input type="checkbox"/> Could the worker be at risk of drowning? <input type="checkbox"/> Could the worker be exposed to weather extremes? <input type="checkbox"/> Could the worker require emergency medical treatment during the activity? <input type="checkbox"/> Could there be communication issues (e.g. by virtue of location or isolation) <input type="checkbox"/> Could equipment failure harm the worker? <input type="checkbox"/> Could the worker come into contact with dangerous marine animals?
<b>Noise and sound</b> (Produced during an activity)	<input type="checkbox"/> Could the worker be exposed to noise levels approaching/greater than safe exposure standards (including music) >85dB(A) or peak level approaching/greater than 135dB(C) for any period of time?

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HAZARD IDENTIFICATION (EXAMPLES)	If the hazard is applicable to the activity, then transfer the hazard and how the worker could be exposed onto your Risk assessment template
HAZARD IDENTIFICATION: Stop and think. What could cause harm?	
Identify each hazard that is part of this work process	Examples of how/when the worker could be exposed to the hazard (e.g. what is the route of exposure?)
<p><b>Confined space entry</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Poor air quality/insufficient oxygen</li> <li><input type="checkbox"/> Chemical exposure</li> <li><input type="checkbox"/> Extreme temperature</li> <li><input type="checkbox"/> Flooding</li> <li><input type="checkbox"/> Suffocation, crushing, engulfment</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Could the worker be required to enter into an enclosed or partially enclosed space that is not designed or intended primarily to be occupied by a person (e.g. a pit, tank, vat, pipe, duct, silo, container)?</li> </ul> <p>A specific Permit to Work is required to address the hazards. Refer to the HSW Handbook <a href="#">Confined Space FAQ</a></p>
<p><b>Operation of a Firearm</b></p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Could the worker be required to operate a firearm or be part of a work related activity where someone is operating a firearm?</li> </ul> <p>Specific requirements and licences are required to meeting the requirements of the Firearms Act and Regulations. Refer to the HSW Handbook chapter <a href="#">Firearms Safety Management</a> for information.</p>
<p><b>Hot work (e.g. welding)</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Burns, fire and heat</li> <li><input type="checkbox"/> Dust, smoke and fumes</li> <li><input type="checkbox"/> Light radiation</li> <li><input type="checkbox"/> Asphyxiation</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Is the worker required to do welding, grinding, thermal or oxygen cutting or heating or other related heat producing or spark-producing operations?</li> </ul> <p>A hot-work permit is required for this activity. Refer to the HSW Handbook <a href="#">Hot work FAQ</a> for further information on hazard management.</p>
<p><b>Other</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Off campus activity Remote or isolated work</li> <li><input type="checkbox"/> Temperature extremes (hot or cold)</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Is the worker required to work in a remote location that would require specific arrangements to be in place for rescue and/or medical assistance? (Refer to the <a href="#">Off campus activities FAQ</a> which includes a risk assessment decision tool and a specific Risk assessment template for "Off campus activities"/Field Work.)</li> <li><input type="checkbox"/> Is the worker required to work in a location where they could suffer hyperthermia (i.e. body is overheated), or work in a cold room?</li> </ul>

**DESCRIPTORS FOR ASSESSING THE LEVEL OF RISK**

**Likelihood Table**

CATEGORY	DESCRIPTION
Almost certain	There is an expectation that an event/incident will occur.
Likely	There is an expectation that an event/incident <b>could occur</b> but not certain to occur.
Possible	This expectation lies somewhere in the midpoint between "could" and "improbable". May happen occasionally.
Unlikely	There is an expectation that an event/incident is doubtful or <b>improbable</b> to occur.
Rare	There is no expectation that the event/incident will occur.

**Consequences Table**

CATEGORY	DESCRIPTION
Severe	Injury resulting in death, permanent incapacity.
Major	Injury requiring extensive medical treatment (e.g. hospitalisation), or activities could result in a Notifiable occurrence.
Moderate	Injury requires formal medical treatment (e.g. hospital outpatient/doctors visit) Activities could result in an Improvement/Prohibition Notice.
Minor	Injury requires first aid treatment.
Negligible	Injury requires minor first aid (e.g. bandaid), or result in short term discomfort (e.g. bruise, headache, muscular aches), no medical treatment.

**Risk matrix**





Likelihood	Consequences				
	Negligible	Minor	Moderate	Major	Severe
Almost Certain	Medium	High	Very High	Very High	Very High
Likely	Medium	Medium	High	Very High	Very High
Possible	Low	Medium	High	High	Very High
Unlikely	Low	Low	Medium	Medium	High
Rare	Low	Low	Low	Medium	Medium

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## HAZARD MANAGEMENT – HIERARCHY OF RISK CONTROL

The process to eliminate, or where this is not possible, manage the risks to as low a level as is reasonably practicable. They are listed below in order of most to least effective and are required to be recorded on your Risk assessment. A combination of the controls set out may be used to minimise risks if a single control is not sufficient for the purpose.

Refer to any relevant [Approved Codes of Practice](#) or Australian Standard, Safety Data Sheet or Handbook chapter(s) which outline the controls which are to be followed, unless there is another solution which achieves the same or a better standard of health and safety.

Hierarchy of control		Examples of control measures		
<b>HIGHEST</b>	<b>Level 1</b>	<b>Elimination</b>	<ul style="list-style-type: none"> <li>Not introducing the hazard into the workplace.</li> <li>Designing out the hazards before they are introduced.</li> <li>Removing the hazard completely.</li> <li>Not conducting the activity.</li> </ul>	<b>MOST</b>
↓		↓		
	<b>Level 2</b>  Where it is not reasonably practicable to eliminate the hazards and associated risks.	<b>Substitution</b>	<ul style="list-style-type: none"> <li>Replacing or substituting the hazard with something safer. Record what you have substituted so it is clear to the worker.</li> </ul>	
		<b>Isolation</b>	<ul style="list-style-type: none"> <li>Isolating the hazard from the people by distance or using barriers. Record what isolation controls need to be in place so it is clear to the worker.</li> </ul>	
		<b>Engineering</b>	<ul style="list-style-type: none"> <li>Installing/using a control measure of a physical nature, including a mechanical device or process (e.g. trolleys, hoists, guards, residual current devices, fume-hoods, extraction/ventilation systems, RCD protection). Record what specific engineering controls are in place so it is clear to the worker.</li> </ul>	
↓		↓		
<b>LEVEL OF HEALTH AND SAFETY PROTECTION</b>  	<b>Level 3</b>  These control measures do not control the hazard at the source. They rely on human behaviour and supervision, and used on their own tend to be the least effective in minimising risks.  Exposure is only limited if the worker wears and uses the PPE correctly.	<b>Administrative</b>  <b>Personal Protective Equipment (PPE)</b>	<ul style="list-style-type: none"> <li>Documenting a Safe operating procedure (SOP) and include in the induction program for all staff required to perform the activity.</li> <li>Developing a proficiency based training program if required by the risk assessment (see definitions) (Workers may be trained against the SOP <a href="#">Appendix C</a> or other assessment criteria).</li> <li>Training workers to use control measures implemented when carrying out the activity.</li> <li>Introducing a second operator.</li> <li>Providing signage or warning labels.</li> <li>Restricting access.</li> <li>Maintenance and testing programs.</li> <li>Changing the work organisation (e.g. relocating equipment or items, rotating workers between different activities).</li> </ul> (Record on the Risk assessment the specific Admin controls that are in place so they are clear to the worker.)  Requiring the use of one or more of the following: <ul style="list-style-type: none"> <li>ear protection (ear muffs);</li> <li>respirators, face masks;</li> <li>hard hats/helmet;</li> <li>gloves, aprons;</li> <li>eye protection (glasses, shield, visor); and</li> <li>non-slip footwear, appropriate clothing.</li> </ul> (Record on the Risk assessment the specific PPE to be worn so it is clear to the worker.)	<b>RELIABILITY OF CONTROL MEASURES</b>  
<b>LOWEST</b>				<b>LEAST</b>

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**HAZARD MANAGEMENT – RISK ASSESSMENT**

Date: / /

**SINGLE TASK**

(This template or equivalent template can be used)

(If you have not completed a risk assessment before refer to the [Handbook Chapter Appendix A](#) for guidance)

<p><b>RECORD THE HIGHEST RESIDUAL RISK RATING</b> Ensure the appropriate level of authority to complete the activity can be evidenced. (e.g. a signature or formal approval attached)</p>	<input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/> Very high
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<b>Title of the task (e.g. use of .....</b>	
<b>Physical location(s) or operational unit</b>	
<b>Names of workers involved in completing the risk assessment</b>	Author:
	Other workers (if applicable)

**Supervisors/person in control of the area/activity**

- Ensure that the control measures address the hazards identified for each step in the process for this task.
- Ensure that there is a system for retaining this Risk assessment. (See section 5.1 of the Handbook chapter)
- Ensure that workers who undertake this task have access to this Risk assessment, are provided with the relevant, information, instruction and training required before they undertake the task. (This includes any other guidance material (e.g. Safe operating procedures) where required by this Risk assessment.)
- Ensure that if there is a requirement for instruction (Level 2 proficiency) and/or training (Level 3 competency/qualification) the information is added to the Training Plan.

Hazard identification: Stop and think. What could cause harm from start to finish?	Assess the harm	What needs to be in place before you start?	Re-assess the level of risk
Identify and list each hazard that is part of this work process	Record how/when the worker is exposed to the hazard (e.g. what is the route of exposure when completing the task)	Calculate the risk rating without controls in place (See descriptor table overleaf)	The measures you select must address the hazard, be selected in accordance with the Hierarchy of Control and be clear to the worker. (Refer to the <a href="#">Hierarchy of Control</a> Appendix A page 6 for guidance.)
		<input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/> Very high	i.e. the residual risk rating after controls are in place
		<input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/> Very high	<input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/> Very high
		<input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/> Very high	<input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/> Very high
		<input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/> Very high	<input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/> Very high



Appendix B1 (Page 2 of 2)

**Authorisation for staff and student related tasks**

Residual risk rating	Authorisation	Name and signature (or attach evidence of authorisation)	
<b>Low &amp; medium risk</b>	Supervisor/Person in control of the area/activity		
<b>High risk</b>	Head of School/Branch		
<b>Very high risk</b>	Executive Dean/Divisional Head		

**Proof of hazard identification and risk assessment is required for this task**

- File your completed Risk assessment as instructed by the Supervisor/Person in control of the area/activity
- Ensure there is a system for retaining formal Risk assessments in accordance with the State Records of SA, General disposal [Schedule No 30](#) issued under the State Records Act 1997. (Contact the University's [Records Management Office](#) for further assistance/information if required.)

**For activities with a Residual risk rating of high or very high risk**

- The Head of School/Branch or Executive Dean/Divisional Head is to raise a risk under the [University's Risk management framework](#) through the [University Risk Register](#).

**DESCRIPTORS FOR ASSESSING THE LEVEL OF RISK**

**Likelihood Table**

CATEGORY	DESCRIPTION
Almost certain	There is an expectation that an event/incident will occur.
Likely	There is an expectation that an event/incident <b>could occur</b> but not certain to occur.
Possible	This expectation lies somewhere in the midpoint between "could" and "improbable". May happen occasionally.
Unlikely	There is an expectation that an event/incident is doubtful or <b>improbable</b> to occur.
Rare	There is no expectation that the event/incident will occur.

**Consequences Table**

CATEGORY	DESCRIPTION
Severe	Injury resulting in death, permanent incapacity.
Major	Injury requiring extensive medical treatment (e.g. hospitalisation), or activities could result in a Notifiable occurrence.
Moderate	Injury requires formal medical treatment (e.g. hospital outpatient/doctors visit) Activities could result in an Improvement/Prohibition Notice.
Minor	Injury requires first aid treatment.
Negligible	Injury requires minor first aid (e.g. bandaid), or result in short term discomfort (e.g. bruise, headache, muscular aches), no medical treatment.

The level of risk will increase as the likelihood of harm and its severity increases										
Likelihood of exposure	Consequences – level of seriousness of the injury following exposure to the hazard(s) -									
	Negligible		Minor		Moderate		Major		Severe	
Almost certain	<input type="checkbox"/>	Medium	<input type="checkbox"/>	High	<input type="checkbox"/>	Very High	<input type="checkbox"/>	Very High	<input type="checkbox"/>	Very High
Likely	<input type="checkbox"/>	Medium	<input type="checkbox"/>	Medium	<input type="checkbox"/>	High	<input type="checkbox"/>	Very High	<input type="checkbox"/>	Very High
Possible	<input type="checkbox"/>	Low	<input type="checkbox"/>	Medium	<input type="checkbox"/>	High	<input type="checkbox"/>	High	<input type="checkbox"/>	Very High
Unlikely	<input type="checkbox"/>	Low	<input type="checkbox"/>	Low	<input type="checkbox"/>	Medium	<input type="checkbox"/>	Medium	<input type="checkbox"/>	High
Rare	<input type="checkbox"/>	Low	<input type="checkbox"/>	Low	<input type="checkbox"/>	Low	<input type="checkbox"/>	Medium	<input type="checkbox"/>	Medium

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## HAZARD MANAGEMENT – RISK ASSESSMENT

This template or equivalent template can be used

Date:        /        /

### MULTIPLE TASKS

(If you have not completed a risk assessment before refer to the [Handbook Chapter Appendix A](#) for guidance)

<p style="text-align: center;"><b>RECORD THE HIGHEST RESIDUAL RISK RATING</b></p> <p style="text-align: center;">Ensure the appropriate level of authority to complete the activity can be evidenced. (e.g. a signature or formal approval attached)</p>	<input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/> Very high
--	--

Physical location(s) or Operational unit:	
Names of workers involved in completing the risk assessment	

**Supervisors/person in control of the area/activity**

- Ensure that the control measures address the hazards identified for each step in the process for this task.
- Ensure that there is a system for retaining this Risk assessment. (See section 5.1 of the Handbook chapter)
- Ensure that workers who undertake this task have access to this Risk assessment, are provided with the relevant, information, instruction and training required before they undertake the task. (This includes any other guidance material (e.g. Safe operating procedures) where required by this Risk assessment.)
- Ensure that if there is a requirement for instruction (Level 2 proficiency) and/or training (Level 3 competency/qualification) the information is added to the Training plan.

<p><b>Standard controls for this location</b> (e.g. Lab/workshop rules) (See definitions for information on <a href="#">control banding</a>)</p> <p>The control measures listed must be applied by all workers when entering the location regardless of whether they are completing the task. The control measures must be specific. They do not need to be repeated under each task below.</p>	<p style="color: red;">[List lab/workshop rules here if applicable]</p>
---	---

Hazard identification: Stop and think. What could cause harm from start to finish?	Assess the harm	What needs to be in place before you start?	Re-assess the level of risk
Identify and list each hazard that is part of this work process	Record how/when the worker is exposed to the hazard (e.g. what is the route of exposure when completing the task)	Calculate the risk rating without controls in place (See descriptor table overleaf)	The measures you select must address the hazard, be selected in accordance with the Hierarchy of Control and be clear to the worker. (Refer to the <a href="#">Hierarchy of Control</a> Appendix A page 6 for guidance.)
			i.e. the residual risk rating after controls are in place

<b>Task 1:</b>	<b>[Describe the task here]</b>		
<b>[List hazard here]</b>		<input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/> Very high	<input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/> Very high
		<input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/> Very high	<input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/> Very high

Hazard identification: Stop and think. What could cause harm from start to finish?		Assess the harm	What needs to be in place before you start?	Re-assess the level of risk	
Identify and list each hazard that is part of this work process		Record how/when the worker is exposed to the hazard (e.g. what is the route of exposure when completing the task)	Calculate the risk rating without controls in place (See descriptor table overleaf)	The measures you select must address the hazard, be selected in accordance with the Hierarchy of Control and be clear to the worker. (Refer to the <a href="#">Hierarchy of Control</a> Appendix A page 6 for guidance.)	i.e. the residual risk rating after controls are in place
<b>Task 2:</b>	<b>[Describe the task here]</b>				
[List hazard here]		<input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/> Very high		<input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/> Very high	
<b>Task 3:</b>	<b>[Describe the task here]</b>				
[List hazard here]		<input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/> Very high		<input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/> Very high	

**Authorisation for staff and student related tasks**

Residual risk rating	Authorisation	Name and signature (or attach evidence of authorisation)
Low & medium risk	Supervisor/Person in control of the area/activity	
High risk	Head of School/Branch	
Very high risk	Executive Dean/Divisional Head	

**Proof of hazard identification and risk assessment is required for this task**

- File your completed Risk assessment as instructed by the Supervisor/Person in control of the area/activity
- Ensure there is a system for retaining formal Risk assessments in accordance with the State Records of SA, General disposal [Schedule No. 30](#) issued under the State Records Act 1997. (Contact the University's [Records Management Office](#) for further assistance/information if required.)

**For activities with a Residual risk rating of high or very high risk**

- The Head of School/Branch or Executive Dean/Divisional Head is to raise a risk under the [University's Risk management framework](#) through the [University Risk Register](#).

**DESCRIPTORS FOR ASSESSING THE LEVEL OF RISK**

Assess the level of risk based on the likelihood of an incident occurring and the consequence			
Likelihood Table		Consequences Table	
Almost certain	There is an expectation that an event/incident will occur.	Severe	Injury resulting in death, permanent incapacity.
Likely	There is an expectation that an event/incident could occur but not certain to occur.	Major	Injury requiring extensive medical treatment (e.g. hospitalisation) or activities could result in a Notifiable occurrence.
Possible	This expectation lies somewhere in the midpoint between "could" and "improbable".	Moderate	Injury requires formal medical treatment (e.g. hospital outpatient/doctors visit).
Unlikely	There is an expectation that an event/incident is doubtful or improbable to occur.	Minor	Injury requires first aid treatment.
Rare	There is no expectation that the event/incident will occur.	Negligible	Injury requires minor first aid (e.g. bandaid), short term discomfort (e.g. bruise, headache), no medical treatment.

The level of risk will increase as the likelihood of harm and its severity increases									
Likelihood of exposure	Consequences – level of seriousness of the injury following exposure to the hazard(s) -								
	Negligible	Minor	Moderate	Major	Severe				
Almost certain	<input type="checkbox"/> Medium	<input type="checkbox"/> High	<input type="checkbox"/> Very High	<input type="checkbox"/> Very High	<input type="checkbox"/> Very High				
Likely	<input type="checkbox"/> Medium	<input type="checkbox"/> Medium	<input type="checkbox"/> High	<input type="checkbox"/> Very High	<input type="checkbox"/> Very High				
Possible	<input type="checkbox"/> Low	<input type="checkbox"/> Medium	<input type="checkbox"/> High	<input type="checkbox"/> High	<input type="checkbox"/> High				
Unlikely	<input type="checkbox"/> Low	<input type="checkbox"/> Low	<input type="checkbox"/> Medium	<input type="checkbox"/> Medium	<input type="checkbox"/> High				
Rare	<input type="checkbox"/> Low	<input type="checkbox"/> Low	<input type="checkbox"/> Low	<input type="checkbox"/> Medium	<input type="checkbox"/> Medium				

**HAZARD MANAGEMENT – RISK ASSESSMENT**

Date: / /

**SHORT FORM RISK ASSESSMENT**

(This template is not intended for complex tasks.)

**RECORD THE HIGHEST RESIDUAL RISK RATING**

Ensure the appropriate level of authority to complete the task can be evidenced. (e.g. a signature or formal approval attached)

- Low
- Medium
- High
- Very high

<b>Title of the task (e.g. use of .....</b> )	
<b>Physical location(s) or Operational unit</b>	
<b>List the hazardous plant/equipment/chemical(s) used (if applicable)</b>	
<b>Author: (print name)</b>	

**Supervisors/person in control of the area/activity**

- Ensure that the control measures address the hazards identified for each step in the process for this task.
- Ensure that there is a system for retaining this Risk assessment. (See section 5.1 of the Handbook chapter)
- Ensure that workers who undertake this task have access to this Risk assessment, are provided with the relevant, information, instruction and training required before they undertake the task. (This includes any other guidance material (e.g. Safe operating procedures) where required by this Risk assessment.)
- Ensure that if there is a requirement for instruction (Level 2 proficiency) and/or training (Level 3 competency/qualification) the information is added to the Training plan.

**Step 1: Identify the hazards (tick as applicable)**

1	<input type="checkbox"/> Animals (e.g. unpredictable behaviour, bites, stings, kicks)	12	<input type="checkbox"/> Hazardous terrain
2	<input type="checkbox"/> Biological (e.g. pathogens, body fluids)	13	<input type="checkbox"/> Hot work/risk of fire
3	<input type="checkbox"/> Communication (e.g. location, isolation)	14	<input type="checkbox"/> Moving powered lifting equipment
4	<input type="checkbox"/> Electrical equip. used outdoors, potential for electric shock	15	<input type="checkbox"/> Moving powered plant/equipment
5	<input type="checkbox"/> Fall from one level to another	16	<input type="checkbox"/> Moving vehicles in pedestrian access areas
6	<input type="checkbox"/> Falling, flying sharp objects	17	<input type="checkbox"/> Noise and sound >85dB(A)
7	<input type="checkbox"/> Fatigue (e.g. mental/physical exertion)	18	<input type="checkbox"/> Noise and sound peak level of > 135dB(C) for any period of time
8	<input type="checkbox"/> Ground/wall penetration	19	<input type="checkbox"/> Poor lighting
9	<input type="checkbox"/> Hazardous chemical exposure/radiation	20	<input type="checkbox"/> Security, aggression, personal threat
10	<input type="checkbox"/> Hazardous manual handling	21	<input type="checkbox"/> Temperature (hypothermia/burns)
11	<input type="checkbox"/> Hazardous plant/equipment	22	<input type="checkbox"/> Other:

**Step 2: Assess the level of risk before control measures based on the likelihood of an incident occurring and the consequence. Tick the highest risk rating assessed for the hazards you have identified**

**Descriptors for assessing the level of risk**

Assess the level of risk based on the likelihood of an incident occurring and the consequence			
Likelihood Table		Consequences Table	
<b>Almost certain</b>	There is an expectation that an event/incident will occur.	<b>Severe</b>	Injury resulting in death, permanent incapacity.
<b>Likely</b>	There is an expectation that an event/incident could occur but not certain to occur.	<b>Major</b>	Injury requiring extensive medical treatment (e.g. hospitalisation, or activities could result in a Notifiable occurrence.
<b>Possible</b>	This expectation lies somewhere in the midpoint between "could" and "improbable".	<b>Moderate</b>	Injury requires formal medical treatment (e.g. hospital outpatient/doctors visit).
<b>Unlikely</b>	There is an expectation that an event/incident is doubtful or improbable to occur.	<b>Minor</b>	Injury requires first aid treatment.
<b>Rare</b>	There is no expectation that the event/incident will occur.	<b>Negligible</b>	Injury requires minor first aid (e.g. bandaid), short term discomfort (e.g. bruise, headache), no medical treatment.

Likelihood of exposure	Consequences – level of seriousness of the injury following exposure to the hazard(s) -									
	Negligible		Minor		Moderate		Major		Severe	
Almost certain	<input type="checkbox"/>	Medium	<input type="checkbox"/>	High	<input type="checkbox"/>	Very High	<input type="checkbox"/>	Very High	<input type="checkbox"/>	Very High
Likely	<input type="checkbox"/>	Medium	<input type="checkbox"/>	Medium	<input type="checkbox"/>	High	<input type="checkbox"/>	Very High	<input type="checkbox"/>	Very High
Possible	<input type="checkbox"/>	Low	<input type="checkbox"/>	Medium	<input type="checkbox"/>	High	<input type="checkbox"/>	High	<input type="checkbox"/>	Very High
Unlikely	<input type="checkbox"/>	Low	<input type="checkbox"/>	Low	<input type="checkbox"/>	Medium	<input type="checkbox"/>	Medium	<input type="checkbox"/>	High
Rare	<input type="checkbox"/>	Low	<input type="checkbox"/>	Low	<input type="checkbox"/>	Low	<input type="checkbox"/>	Medium	<input type="checkbox"/>	Medium

Continued overleaf

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## HAZARD MANAGEMENT – RISK ASSESSMENT

**Step 3: Manage the risk by selecting the appropriate level(s) of control.**

**Enter the ref number of the hazard(s) & tick/highlight control measures applicable.**

**Action(s) required to minimise the risk**

Hierarchy of Control	Hazard ref number(s)	(e.g. Step 1 Ref numbers 1 & 10 if the activity involves Animals and Hazardous manual handling)	Hazard ref number(s)
Level 1: <input type="checkbox"/> Elimination <b>If this is not practicable, then:</b>		<input type="checkbox"/> Work process to cease. Advise your Supervisor of the outcome and determine next steps.	
Level 2: <input type="checkbox"/> Substitution		<input type="checkbox"/> Substituted the hazard with a safer option (Please specify)	
Level 2: <input type="checkbox"/> Isolation/Engineering		<input type="checkbox"/> Barrier/guard/shield/crush installed	<input type="checkbox"/> Trolley/hoist/mechanical aid used
		<input type="checkbox"/> Power/services isolated <input type="checkbox"/> Platform/scaffold	<input type="checkbox"/> Fume hood used
		<input type="checkbox"/> RCD protection provided/installed	<input type="checkbox"/> Emergency stop button/device
		<input type="checkbox"/> Restricted/secure/swipe-card access	<input type="checkbox"/> Emergency shower/eye wash
		<input type="checkbox"/> Ventilation/extraction system	<input type="checkbox"/> Duress alarm (monitored/audible)
		<input type="checkbox"/> PC2 Lab	<input type="checkbox"/> Surveillance
		<input type="checkbox"/> Interlocked physical barrier	<input type="checkbox"/> Additional lighting
		<input type="checkbox"/> Safeguarding	<input type="checkbox"/> Communication equipment/radio/mobile
	<input type="checkbox"/> Platform/scaffold/fall protection	<input type="checkbox"/> Other:	
Level 3: <input type="checkbox"/> Administrative		<input type="checkbox"/> SOP completed & attached (see <a href="#">Appendix C</a> )	Appropriate level of <a href="#">Information, instruction, training provided</a> : (* record to be on file)
		<input type="checkbox"/> Safety Data Sheet reviewed and attached	<input type="checkbox"/> Info on control measures (Induction)
		<input type="checkbox"/> Monitoring device/badge dosimeter	<input type="checkbox"/> * Worker induction to hazardous chemicals completed
		<input type="checkbox"/> Permits complete (e.g. hotwork/confined space)	<input type="checkbox"/> * Workers are proficient (if required)
		<input type="checkbox"/> Permission from Facilities Management to penetrate ground/wall (e.g. marquee)	<input type="checkbox"/> * Workers are competent/licensed
		<input type="checkbox"/> Signs/warning labels displayed	<input type="checkbox"/> Buddy/second operator to assist
		<input type="checkbox"/> Standard precautions (infection control)	<input type="checkbox"/> Health monitoring <input type="checkbox"/> Audio testing
		<input type="checkbox"/> Maintenance and testing program in place	<input type="checkbox"/> Rest breaks
		<input type="checkbox"/> First aid kit	<input type="checkbox"/> Other
		<input type="checkbox"/> Emergency spill kit on site	
Level 3: <input type="checkbox"/> Personal Protection  Please indicate/circle/strike out or be specific if option not listed		Gloves <input type="checkbox"/> Rubber <input type="checkbox"/> Vinyl <input type="checkbox"/> Leather <input type="checkbox"/> Neoprene <input type="checkbox"/> Cut resistant <input type="checkbox"/> Nitrile	Protective clothing <input type="checkbox"/> Lab coat <input type="checkbox"/> Gown <input type="checkbox"/> Long sleeves <input type="checkbox"/> Long pants <input type="checkbox"/> Helmet <input type="checkbox"/> Hood <input type="checkbox"/> Veil <input type="checkbox"/> Steel capped/enclosed footwear <input type="checkbox"/> Sun protection
		<input type="checkbox"/> Butyl <input type="checkbox"/> Thermal -hot/cold	<input type="checkbox"/> Other (please specify)
		<input type="checkbox"/> Face shield/visor <input type="checkbox"/> Dust mask	
		<input type="checkbox"/> Safety glasses <input type="checkbox"/> Shield <input type="checkbox"/> Goggles	
		<input type="checkbox"/> Air-purifying respirator	
		<input type="checkbox"/> Supplied air respirator	
		<input type="checkbox"/> Hearing protection - Ear plugs	
		<input type="checkbox"/> Hearing protection - Ear muffs	

**Step 4: Calculate the residual risk rating after the abovementioned control measures are in place. Transfer to the top of page 1**

<input type="checkbox"/> Very high	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low
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**Step 5: Sign off by author and relevant authority (Name and signature)**

Residual risk rating	Authorisation	Name and signature (or attach evidence of authorisation)
Low & medium risk	Supervisor/Person in control of the area/activity	
High risk	Head of School/Branch	
Very high risk	Executive Dean/Divisional Head	

**Proof of hazard identification and risk assessment is required for this task**

- File your completed Risk assessment as instructed by the Supervisor/Person in control of the area/activity
  - Ensure there is a system for retaining formal Risk assessments in accordance with the State Records of SA, General disposal [Schedule No 30](#) issued under the State Records Act 1997. (Contact the University's [Records Management Office](#) for further assistance/information if required.)
- For activities with a Residual risk rating of high or very high risk**
- The Head of School/Branch or Executive Dean/Divisional Head is to raise a risk under the [University's Risk management framework](#) through the [University Risk Register](#).

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## HAZARD MANAGEMENT – SAFE OPERATING PROCEDURE (SOP)

**Only to be completed where required as a control measure under a Risk Assessment**

<p>A document setting out the requirements to carry out the work in a safe and healthy manner and in a logical sequence.</p> <p>It must be able to be easily read by those who need to know what has been planned.</p> <p>It is relevant to the following people:</p> <ul style="list-style-type: none"> <li>the worker carrying out the work; and</li> <li>the person who has management and control over the work.</li> </ul>	<p><u>A SOP, if identified as a control measure, is to:</u></p> <ul style="list-style-type: none"> <li>identify the work;</li> <li>specify/address the identified hazards relating to the work;</li> <li>describe the measures to be implemented to control the risks;</li> <li>take into account the circumstances at the workplace that may affect the way in which the work is carried out;</li> <li>take into account emergency management arrangements where applicable; and</li> <li>be communicated to all workers who carry out the work.</li> </ul>
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<b>NAME OF THE TASK/ACTIVITY</b>		<b>DATE:</b>
<b>LOCATION</b>		Insert photo (Optional)
<b>RISK ASSESSMENT (RA) NAME</b>		
<b>Residual risk rating on the RA</b>	<input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/> Very High	
<b>Hazards identified on the RA</b>		

**PERSONAL PROTECTIVE EQUIPMENT (BE SPECIFIC AND SPECIFY PPE TO BE WORN DURING THE TASK)  
(DELETE THE ROW IF NOT APPLICABLE)**

	Eye protection: <input type="checkbox"/> Safety glasses <input type="checkbox"/> Eye shields <input type="checkbox"/> Safety goggles <input type="checkbox"/> Other:	
	Face protection: <input type="checkbox"/> Dust goggles <input type="checkbox"/> Face shield <input type="checkbox"/> Visor <input type="checkbox"/> Face mask <input type="checkbox"/> Dust mask <input type="checkbox"/> Other:	
	Respiratory protection: <input type="checkbox"/> Half face mask <input type="checkbox"/> Air-purifying respirator <input type="checkbox"/> Supplied air respirator <input type="checkbox"/> Other:	 <input type="checkbox"/> Full face mask
	<input type="checkbox"/> Long hair must be contained or covered <input type="checkbox"/> Other:	
	Head protection: <input type="checkbox"/> Hard hat <input type="checkbox"/> Other:	
	Hand protection: <input type="checkbox"/> Rubber <input type="checkbox"/> Cut resistant <input type="checkbox"/> Leather <input type="checkbox"/> Vinyl <input type="checkbox"/> Neoprene <input type="checkbox"/> Nitrile <input type="checkbox"/> Barrier creams <input type="checkbox"/> Other:	
	<input type="checkbox"/> Enclosed footwear: <input type="checkbox"/> Footwear that is resistant to spills of hazardous substances <input type="checkbox"/> Boots with steel caps <input type="checkbox"/> Other:	
	Protective clothing: <input type="checkbox"/> Lab coat <input type="checkbox"/> Gown <input type="checkbox"/> Long sleeves <input type="checkbox"/> Long pants <input type="checkbox"/> High visibility <input type="checkbox"/> Helmet <input type="checkbox"/> Sun protection <input type="checkbox"/> Other:	
	Hearing protection: <input type="checkbox"/> Ear plugs <input type="checkbox"/> Ear muffs <input type="checkbox"/> Other:	

**DESCRIBE, IN SEQUENCE, STEPS TO COMPLETE THE ACTIVITY SAFELY**

**Pre-operational checks**

Operational checks/steps to complete the activity from start to finish (including transport and waste disposal where relevant)

On completion of work – steps to make safe (including clean up, any waste disposal & service/maintenance requirements)

Emergency and Spill Procedures, Transport or storage requirements (where relevant), First aid/Medical

**Prepared by**

People involved in the drafting of this SOP			
Person authorising the SOP	Name:		Signature
	Position:		

**This SOP must be reviewed after any incident/injury associated with this activity or when a Risk assessment is reviewed.**

File your completed SOP as instructed by the Supervisor/Person in control of the area/activity and retain the SOP in accordance with the State Records of SA, General disposal [Schedule](#) No. 30 issued under the State Records Act 1997. (Contact the University's [Records Management Office](#) for further assistance/information if required.)

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