

## Hazard Identification and Risk Management

# The Health and Personal Safety of all our volunteers and staff takes precedence at all times

Firefighting is strenuous, sometimes dangerous work that often takes place under difficult conditions. Many of the difficulties experienced in controlling and suppressing fires are due to human failings that can be avoided.

This policy identifies hazards encountered on the fireground during operational incidents, training sessions and those hazards associated with using fire equipment.

### Policy

SRFA is committed to controlling risks to health and safety so far as is reasonably practicable. We have adopted a risk management approach to underpin our health and safety practices. We will do this by implementing the most effective control measure either by eliminating or minimising the risks arising from aspects of our work. This approach involves all workers identifying hazards, assessing risk, implementing control measures and reviewing how effective the control measures are.

We will carry out hazard identification and risk management as follows:

- Step 1: IDENTIFY HAZARDS
- Step 2: ASSESS RISK
- Step 3: CONTROL RISKS
- **Step 4**: ENSURE EFFECTIVE CONTROL
- Step 5: REVIEW CONTROL MEASURE

All workers will be trained in hazard and risk identification and management. All workers are required to participate in the management process. Any new hazards should be reported to a Manager and /or Health and Safety Co-ordinator as soon as practicable.





### Definitions

### **Reasonably Practicable**

Deciding what is reasonably practicable to protect people from harm requires taking into account and weighing up all relevant matters, including:

- The likelihood of the hazard or risk concerned occurring.
- The degree of harm that might result from the hazard or risk.
- Knowledge about the hazard or risk, and ways of eliminating or minimising the risk.
- The availability and suitability of ways to eliminate or minimise the risk, and
- After assessing the extent of the risk and the available ways of eliminating or minimising the risk, the cost associated, including whether the cost is grossly disproportionate to the risk.

### Hazard

Hazards at work may include; manual handling, working alone and bullying and violence at work. It also includes a person's behaviour where that behaviour has the potential to cause death, injury, or illness to a person.

#### Risk

Is the possibility that harm (death, injury or illness) may occur when exposed to a hazard.

#### **Risk assessment**

In practical terms, a risk assessment is a thorough look at our workplace to identify those things, situations, processes, etc. that may cause harm to people. After identification is made, you evaluate how likely and severe the risk is, and then decide what measures should be in place to effectively prevent or control the harm from happening.

### **Risk Control**

Means 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. Eliminating a hazard will also eliminate any risks associated with that hazard.

### Step 1: Identify Hazards

#### Find out what could cause harm.

To identify hazards in our workplace we will consider our physical work environment, the equipment, plant, machinery, materials, substances used and we will look at the way tasks are performed. We will consider information provided by WorkSafe NZ about hazards and risks relevant to our workplace.

New hazards are always going to develop and enter the workplace over time. We will systematically identify new or developing hazards and risks:

- When changing work practices, procedure or environment;
- Prior to completion of design work for new or refurbished premises;
- Prior to the procurement of new equipment or materials;
- Through regular workplace inspections;
- Through reviewing hazard, accident, and incident data;
- When new information or legislative updates become available;



- When responding to concerns raised by workers, health and safety Co-ordinators or others;
- Through task analysis.

It is important that everybody report new hazards, assesses and understands the risks and implements the most appropriate controls.

We will consult with our employees to understand any hazards or risks they have identified.

We will maintain a risk register. We will list all hazards on the risk register and workplace site map if applicable.

### Step 2: Assess Risk

Understand the nature of the harm that could be caused by the hazard, how serious the harm could be and the likelihood of it happening.

We will carry out Risk Assessments when;

- A hazard is identified and we have not done one before.
- When a change occurs such as when changes occur to the work equipment, practices, procedures or environment.
- As part of responding to a workplace incident, even where an injury has not occurred.
- Where new information about a risk becomes available or concerns about a risk are raised by workers
- A work activity involves a number of different hazards and there is a lack of understanding about how the hazards may interact with each other to produce new or greater risks
- At regularly scheduled times appropriate to the workplace.
- When it is mandatory, for example, under Regulations for high risk activities.

Determining likelihood	Explanation and examples
How often are people exposed to the hazard?	A hazard may exist all of the time or it may only exist occasionally. The more often a hazard is present, the greater the likelihood it will result in harm.
	<i>For example:</i> Continuously lifting heavy items has the potential to cause harm whenever the work is done.
How long might people be exposed to the hazard?	The longer that someone is exposed to a hazard, the greater the likelihood that harm may result.
	<i>For example:</i> The longer a person is exposed to heat, the more likely it is that they will suffer from heat exhaustion and make mistakes that they would not normally make.
How effective are current controls in reducing risk?	In most cases the risks being assessed will already be subject to some control measures. The likelihood of harm resulting from the risk will depend upon how adequate and effective the current measures are.
	<i>For example:</i> Firefighters being caught in a flare up due to a sudden change in wind direction.

### We will carry out risk assessment by:



Determining likelihood	Explanation and examples				
Could any changes in your organisation increase the likelihood?	The demand for goods or services in many organisations varies throughout the year. Changes in demand may be seasonal, depend on environmental conditions or be affected by market fluctuations that are driven by a range of events. Meeting increased demand may cause unusual loads on people, plant and equipment and systems of work. Failures may be more likely.				
	For example: A sudden high turnover of volunteers within the organisation will mean a decrease in the level of competent firefighters				
Are hazards more	Examples of situations where the risk of injury or illness may become more likely:				
likely to cause harm because of the working environment?	<ul> <li>Environmental conditions change. For example, work performed in high temperatures in a confined space increases the potential for mistakes because workers become fatigued more quickly;</li> </ul>				
	<ul> <li>People are required to work quickly. The rate at which work is done (e.g. number of repetitions) can over-stress a person's body or make it more likely that mistakes will be made.</li> </ul>				
	There is insufficient light or poor ventilation.				
Could the way people act and behave affect the likelihood of a hazard causing harm?	The possibility that people may make mistakes, misuse items, become distracted or panic in particular situations needs to be taken into account. The effects of fatigue or stress may make it more likely that harm will occur.				
Do the differences between individuals in	People with disabilities may be more likely to suffer harm if the workplace or process is not designed for their needs.				
the workplace make it more likely for harm to occur?	New or young workers may be more likely to suffer harm because of inexperience and unfamiliarity. Even though they are trained, lack of experience means that they are not necessarily competent and require more supervision.				

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### Step 3: Control Risks

Implement the most effective control measure that is reasonably practicable in the circumstances.

### **Definitions:**

#### Elimination

Physically remove the hazard and its associated risk.

#### Substitution

Wholly or partially replace the hazard with a lesser risk.

#### **Engineering control**

- (a) Means a control measure that is physical in nature; and
- (b) Includes a mechanical device or process.

#### Isolation

Put a barrier between yourself and the control.

#### **Administrative Control**

- (a) Means a control measure that is a method of work, process, or procedure designed to minimise risk; but
- (b) Does not include
  - (i) An engineering control; or
  - (ii) The wearing or use of personal protective equipment.

#### PPE

Personal Protective Equipment (PPE) i.e. something worn by a person.



#### Hierarchy of Control:

We will control risks by implementing the hierarchy of controls. The hierarchy of control is a tool where all possible control options are ranked by order of effectiveness. The hierarchy of control is a useful tool, as the order tells us which types of control measure provide a better level of risk control. The higher in the hierarchy of control, the better and more reliable the controls will be as shown in the figure below.



The Health and Safety at Work (General Risk and Workplace Management) Regulations 2016 require all workplaces to implement the hierarchy of control:

- Eliminate: Physically remove the hazard and its associated risk.
- **Minimise** by:
  - Use one or more of the following:
    - 1. Substitution (wholly or partly)
    - 2. Isolating the hazard
    - 3. Implementing engineering controls
  - If a risk still remains then you must try to minimise the risk by:
    - Implementing an administrative controls.
  - If a risk still remains then you must try to minimise the risk by:
    - Ensuring that appropriate PPE is supplied to and is worn by employees.

We will consider various control options and choose the control that most effectively eliminates the hazard or minimises the risk in the circumstances. This may involve a single control measure or a combination of different controls that together provide the highest level of protection that is reasonably practicable.

Where possible we will implement controls straight away, if we can not implement immediately we will plan to resolve. We will prioritise areas for action, focusing first on those hazards with the highest level of risk.



### Step 4: Maintain Effective Control Measures

Anyone who implements a control measure must make sure that it is effective, and maintained so that it continues to be effective. They must make certain that the control is;

- Fit for purpose; and
- Suitable for the nature and duration of the work; and
- Installed, set up, and used correctly.

### **Step 5: Review Control Measure**

Review Control Measure to ensure they are working as planned.

We will regularly review our controls to ensure they are effective in managing the associated risks.

We will do this by:

- Consulting with employees;
- Observations of processes;
- Health monitoring;
- Reviewing accident and incident data to see whether existing control measures are adequate.

In accordance with the Review Policy, the risk register will be reviewed periodically as part of this step.



# Types of Risks

Hazards can be categorised as follows:

PHYSICAL	CHEMICAL	PSYCHOLOGICAL	BIOLOGICAL	ERGONOMIC
Fire/Radiant heat	Smoke	Stress	Blood	Repetition
Noise	Foam	Trauma	Bodily fluids	Weight
Dehydration	Mist	Accidents	Fungi	Posture
Temperature	Gases	Duty	Bacteria	Work patterns
Vibration	Dust	Drugs	Yeasts	Seating
Light levels	Fumes	Alcohol	Enzymes	Lifting
Manualhandling	Vapor	Fatigue	Infected material	
Machines	Solvents		Viruses	
Energy sources	Acids			
Mechanical	Pesticides			
Confined spaces	Metals			
Tools	Paints			
Atmospheric	Resins			
Ventilation	Waste			
Slips, trips, falls	By-products			
Stairs, ladders	Sprays			
Housekeeping	Aerosols			
	Flammability			
	Explosives			
	Corrosives			
	Alkalis			



### **INSERT WORKPLACE MAP WITH HAZARDS DRAWN ON**

Identify all hazards that a visitor/contractor may potentially come into contact with whilst in the workplace, there will be further hazards from the examples provided above at your workplace that should be drawn on, it is important to identify as many as possible without making your map too difficult to read. These can be drawn on with a code – for example:

Roads =

"No go" zones



EXAMPLES OF HAZARDS AND EMERGENCY INFORMATION:

- Carparks
- Public roads
- Slippery walk ways
- Chemical cupboards



- Any "no go" areas
- Fire exits
- Fire extinguishers
- First aid kits
- Outside assembly point
- Pedestrian areas
- Forklift use areas
- No pedestrian access area.





HAZARD	RISK	RISK RATING	POTENTIAL HARM	Risk Controls	RESIDUAL RISK RATING	Dates Reviewed / Comments
STRESS AND FATIGUE						
				<ul> <li>Allow sufficient time for breaks</li> </ul>		
			Physical: headaches, indigestion, tiredness,	<ul> <li>Provide sufficient information to enable employees to perform tasks competently, including adequate support and resources for decision- making</li> </ul>		
			slow reactions, shortness of breath.	<ul> <li>Provide additional practical assistance when employees are doing challenging tasks (eg second person to assist)</li> </ul>		
			Mental:	<ul> <li>Allow employees sufficient time to perform tasks and provide well maintained suitable equipment</li> </ul>		
	Physical and / or mental Stress / fatigue		Difficulty in decision- making, forgetfulness. Behavioural: diminished performance, withdrawal behaviours, impulsive behaviour, increase in alcohol and nicotine consumption.	<ul> <li>Refer to WorkSafe NZ publication, 'Healthy Work – guide to Managing Stress and Fatigue in the Workplace.</li> </ul>	LOW	
		CRITICAL		Ensure that work loads are within individual employees capabilities.		
Excessive or continued Long hours of work				<ul> <li>Give employees some control over the way they do their work including work pace and order of tasks.</li> </ul>		
				<ul> <li>Rotate tasks and schedules so that employees are not always assigned jobs that require a high level of decision making or prolonged periods of concentration.</li> </ul>		
				<ul> <li>Plan ahead for any overtime hours required, so that employees can make persease adjustments to their work flow in advance</li> </ul>		
			longer-term:	<ul> <li>Design jobs within employees' capabilities</li> </ul>		
			Cardiovascular	<ul> <li>consult with employees when determining performance targets</li> </ul>		
			immune deficiency disorders,	<ul> <li>Ensure that there is sufficient number of workers to undertake task within a manageable timeframe.</li> </ul>		
	Extra work load on remaining		gastrointestinal	<ul> <li>Reschedule tasks so as not to put extra stress on remaining workers</li> </ul>	LOW	
			psychiatric/psychologic	<ul> <li>Develop a well being programme for the organisation</li> </ul>		
Distractions / lack of attention	Increase in workplace accidents	CRITICAL m	ai iliness (PPI) and musculoskeletal disorders.	<ul> <li>Educate employees about the early warning signs of stress and fatigue, encourage them to report any tiredness and take breaks when they need to, where reasonably practicable</li> </ul>	LOW	
	Inattentive workers	CRITICAL		<ul> <li>Ensure that employees understand the need to get sufficient sleep</li> </ul>	LOW	



HAZARD	RISK	RISK RATING	POTENTIAL HARM	Risk Controls	RESIDUAL RISK RATING	Dates Reviewed / Comments
BULLYING AND HARAS	SMENT					
Offensive, intimidating, malicious or insulting behaviour	poor morale and poor employee relations	CRITICAL	nausea ulcers skin rashes irritable bowel syndrome high blood pressure tearfulness	<ul> <li>Identify at risk situations and put in place controls to prevent the behaviour from occurring in the first place.</li> <li>Provide Staff training and information.</li> <li>Prompt and appropriate response occurs in response to a reported incident of violence or harassment.</li> <li>Refer to WorkSafe NZ guide – Violence at Work. and Violence at Work: a guide for Employers -HSE</li> <li>Develop procedures. that prevent violence from occurring in the workplace</li> </ul>	LOW	
Aggressive and intimidating conduct	reduced work performance, concentration and decision making ability	CRITICAL	distress, anxiety, panic attacks or sleep disturbance	<ul> <li>Acknowledgement that bullying and harassment are problems for the organisation</li> <li>Setting clear directive that these actions will not be tolerated and is an employment related issue</li> <li>Offer counselling for party's</li> <li>A trained emergency response team is provided if needed</li> <li>Educating staff about reporting procedures</li> </ul>	LOW	
Belittling or humiliating comments	loss of self-esteem and self- confidence	CRITICAL	muscular tension, headaches, fatigue digestive problems thoughts of /or actual suicide	<ul> <li>Will be acted upon by senior management as soon as a complaint has been laid</li> <li>Clear statement that bullying and harassment is unlawful, will not be tolerated within the business</li> <li>Management statement that bullying and harassment may be treated as disciplinary offences</li> </ul>	LOW	
CYBER BULLYING						
Threatening emails	Not being able to use phones or computers	CRITICAL	depression thoughts of /or actual suicide. nausea ulcers skin rashes irritable bowel	<ul> <li>Ensure that all employees understand what is meant by unacceptable behaviour</li> <li>Clearly outline the steps the organisation takes to prevent bullying and harassment</li> <li>Ensure that managers are trained so as they know how to deal with a bullying / harassment complaint</li> <li>Offer of counselling to any employee who feels that they have been bullied or harassed</li> <li>Train employees how to deal with a cyber bullying issue i.e. forward emails onto supervisor or manager</li> </ul>	LOW	
Public bullying through social media			syndrome high blood pressure tearfulness	<ul> <li>Trained investigation personnel to follow up any reported cyber issues</li> <li>Some types of workplace bullying are criminal offences, check with your manager to see if your type of bullying is a criminal offence or not</li> </ul>	LOW	



HAZARD	RISK	RISK RATING	POTENTIAL HARM	Risk Controls	RESIDUAL RISK RATING	Dates Reviewed / Comments			
MANUAL HANDLING	MANUAL HANDLING								
Over exertion	Lifting items that are too heavy for one person	HIGH	Bruising, Lacerations Soft tissue damage serious back injuries musculoskeletal disorders Fractures	<ul> <li>Use a trolley to transport heavy items.</li> <li>High shelves for light items only (anything over shoulder height).</li> <li>Break items down into smaller more manageable size.</li> <li>Anything over 20kg must be lifted by two people.</li> <li>Ensure regular maintenance of equipment to allow easy movement and operation</li> <li>Use slides, rails, roller tracks or castors to reduce friction and therefore reduce force.</li> <li>Label the item with handling instructions, including the weight of the package</li> <li>Consider how special needs such as age, fitness, disability, pregnancy and size might influence the task. For example, plan for reducing manual handling activities during pregnancy.</li> <li>Have sufficient people for the task's demands.</li> </ul>	LOW				
	Lack of rest period or micro breaks	HIGH		<ul> <li>Reduce repetition and allow sufficient rest breaks and pauses (these do not have to be long but should be frequent) and rotate employees between tasks that have different actions.</li> <li>Take micro breaks and do stretching exercises</li> </ul>	LOW				
	Excessive noise	HIGH	Partial or full hearing loss	<ul> <li>Ensure that the noise levels are low enough that you can hear any shouted warning or conversation with a second person</li> </ul>	LOW				
Poor work environment	Increase chance or a slip, trip or a fall	HIGH	Bruising, Lacerations Soft tissue damage	<ul> <li>Ensure that the route you are taking is clear of any obstruction or trip hazard</li> <li>Reduce the slipperiness of floors or increase cushioning through altering floor surface or footwear. Ensure that floors don't get slippery in wet weather or wet conditions.</li> </ul>	LOW				
	Uneven surfaces	HIGH	serious back injuries musculoskeletal disorders Fractures	<ul> <li>Ensure that ramps are use if the ground is too uneven</li> <li>If there are steps and slopes, and the task cannot be altered to avoid them, ensure good design and adequate visibility.</li> </ul>	LOW				
	Poor lighting	HIGH		<ul> <li>Ensure lighting provides good visibility, and avoid extremes of glare, high contrast or dull lighting</li> </ul>	LOW				



HAZARD	RISK	RISK RATING	POTENTIAL HARM	Risk Controls	RESIDUAL RISK RATING	Dates Reviewed / Comments
MANUAL HANDLING CO	ontinued		1	I		
				<ul> <li>Ensure that there is enough room to lift or lower an object without having to twist at the same time</li> </ul>		
	Restrictive or confined work space	HIGH		<ul> <li>Provide as much space as is required to safely carry out the handling task, through moving unnecessary equipment and furniture, or redesigning the layout of the task. This can be established through a trial.</li> </ul>	LOW	
			Bruising, Lacerations Soft tissue damage	<ul> <li>Increase the available space for handling by removing unnecessary equipment, redesigning the layout or altering or changing the location of the task.</li> </ul>		
Poor work environment	Extreme temperatures	HIGH	serious back injuries musculoskeletal disorders Fractures	<ul> <li>Limit the duration of handling in extreme temperatures or for particular at-risk tasks. Reduce extreme temperatures where possible. (Where this is not possible, arrange professional assessment, for example by an occupational hygienist.)</li> </ul>		
				<ul> <li>Erect windbreaks around outdoor areas where handling occurs regularly.</li> </ul>	LOW	
				<ul> <li>Redesign tasks to limit outdoor handling where possible. Reduce exposure to bad weather by encouraging the delivery of goods closer to indoor areas.</li> </ul>		
				<ul> <li>Follow Rural Fire Health and Policy</li> </ul>		
	Restrictive clothing HIGH	Bruising,	<ul> <li>Ensure that appropriate clothing and personal protective equipment are available and that they are used/worn by the employees. For example:         <ul> <li>divided skirts, culottes, shorts or trousers</li> <li>non-slip footwear</li> <li>overalls with sufficient room to bend the back and knees easily, stretch and reach up.</li> </ul> </li> </ul>	LOW		
			Soft tissue damage	<ul> <li>Ensure that loose clothing does not get in the way of the lift</li> </ul>		
Poor lifting Technique			serious back injuries musculoskeletal	<ul> <li>Ensure that footwear is fit for purpose i.e. anti slip sole if working in wet conditions or on tile floors</li> </ul>		
			Fractures	<ul> <li>Reduce the weight or force required to move the load. This may mean you should consider where it is positioned and how it is moved.</li> </ul>		
	Untrained employees	HIGH		<ul> <li>Follow ACC's Work safe Work Well lifting techniques.</li> </ul>	LOW	
				<ul> <li>Never lift and twist at the same time</li> </ul>		
				<ul> <li>Ensure that all employees have been trained in safe lifting methods</li> </ul>		



HAZARD	RISK	RISK RATING	POTENTIAL HARM	Risk Controls	RESIDUAL RISK RATING	Dates Reviewed / Comments
	antinuad					
	Prolonged or repetitive work when squatting, kneeling or crouching	HIGH	Bruising, Lacerations	<ul> <li>Avoid whenever possible</li> <li>Spend minimum possible time in these situations</li> </ul>	LOW	
Poor lifting Technique	An uncontrolled or invariable pace of work	HIGH	Soft tissue damage serious back injuries musculoskeletal disorders	<ul> <li>Machinery rate should be set to an safe working load for a person i.e. it should be set a speed that is comfortable for a single person to handle including micro breaks for stretching</li> </ul>	LOW	
			Fractures	Ensure that the person doing the lifting is sufficiently fit and capable of carrying out the task		
	Control has introduced other hazards		Bruising, Lacerations Soft tissue damage serious back injuries musculoskeletal disorders Fractures	<ul> <li>Ensure that mechanical aids are appropriate for the task and that they do not introduce additional hazards. Train employees in the safe use of any mechanical handling equipment.</li> </ul>		
Incorrect Equipment / gear for the task		uced other HIGH		<ul> <li>Ensure any equipment is designed and maintained to reduce vibration, as well as other factors which may contribute to manual handling hazards.</li> </ul>	LOW	
				<ul> <li>Provide employees who are handling in a seated position with appropriate adjustable seating and ensure regular changes in position. The employee should be able to reach the load easily and keep the load close to their body.</li> </ul>		
	Reduces the persons view	HIGH		<ul> <li>Ensure that the load does not obstruct your view of the path or passageway</li> </ul>	LOW	
				<ul> <li>Break your load down into smaller loads if it restricts your view</li> </ul>		
				<ul> <li>Wear grip gloves if the item you are lifting is slippery or greasy</li> </ul>		
			Bruising, Lacerations	<ul> <li>Do not carry awkward loads that you do not have 100% control of i.e. large flat item in windy conditions</li> </ul>		
Awkward loads	Increases chance of dropping or losing load	HIGH	Soft tissue damage serious back injuries	<ul> <li>Restrict your carrying distance to as short as possible especially if the load is heavy or an awkward size</li> </ul>	LOW	
			musculoskeletal	<ul> <li>Do not reach over or reach down to carry loads</li> </ul>	-	
			Fractures	<ul> <li>Use a mechanical device such as a pallet lifter or store barrow whenever possible</li> </ul>		
	Poor surface area to grip	HIGH		<ul> <li>Improve or attach appropriate handles – these need to be in the correct position to allow a good grip and to allow the employee to hold the object close to the body.</li> </ul>	LOW	



HAZARD	RISK	RISK RATING	POTENTIAL HARM	Risk Controls	RESIDUAL RISK RATING	Dates Reviewed / Comments
WORKING ALONE (offic	ce/Fire Station)					
				Overtime is not encouraged and must be at the approval of the		
				manager / supervisor		
Medical event	Failure to seek prompt	ODITION	Medical event such as stroke,	<ul> <li>First aid kits to be available on both floors and throughout the factory floor</li> </ul>	LOW	
	medical attention	CRITICAL	Heart attach Compound Fracture Arterial bleed	<ul> <li>Reporting procedure developed so as management know that worker has returned home safely (txt message is sufficient)</li> </ul>	LOW	
				<ul> <li>Anyone working alone must have there phone on them at all times</li> </ul>		
				Those working alone are be first aid trained.		
			Laceration	<ul> <li>Office doors are to be locked after 6.00 pm at night.</li> </ul>		
Intruder	Actual or perceived Physical Violence	CRITICAL	Fractures	<ul> <li>Suitable lighting is required for the car park area or outside area of the building.</li> </ul>	LOW	
				<ul> <li>No one is to open the door after 6.00 pm</li> </ul>		
VISUAL DISPLAY UNIT	(VDE)					
			Headaches Migraines	<ul> <li>Ergonomic setup of work station for all new employees.</li> </ul>	LOW	
Incorrectly set up station	Pain & Discomfort injuries	шен		<ul> <li>Reassessment to be carried out at any change to work feature e.g. new</li> </ul>		
	(PDI)	пібп	Eye Sight issues	desk, new screen, change in lighting.	LOW	
			Carpal Tunnel	reflections on the screen.		
				<ul> <li>Lighting and temperature suitably controlled.</li> </ul>		
Inadeguate I IIX levels	Eye strain due to glare or poor	due to glare or poor	Partial or permanent	<ul> <li>Adjustable blinds/ curtains at window to control natural light on the screen</li> </ul>		
inducquate LON levels	lighting	nion -	eye sight damage	<ul> <li>Eve tests provided for those that need them PCBU to pay for test and</li> </ul>	LOW	
				spectacles if required.		
Insufficient breaks	Pain & Discomfort injuries (PDI)	HIGH	Partial or permanent soft tissue damage	<ul> <li>Work planned to include regular breaks or change of activity</li> </ul>	LOW	
OFFICE EQUIPMENT						
				No draws or filing cabinets are to be left open especially around		
				walkways.		
Dratuuding chiests	Office setup	Office setup Office Equipment suitable for LOW ocation/ Employee	Lacerations Bruising	<ul> <li>Ensure furniture and office equipment is laid out in a manner that prevents injury.</li> </ul>	LOW	
	location/ Employee		Sprains / strains Fractures	<ul> <li>Office designed so that there is a minimum 1.2 m separation between walls / desks and walkway area</li> </ul>		
				<ul> <li>Soft close doors and draws should be taken into consideration when replacing old furniture /equipment</li> </ul>		



HAZARD	RISK	RISK RATING	POTENTIAL HARM	Risk Controls	RESIDUAL RISK RATING	Dates Reviewed / Comments
GUILLOTINE						
				<ul> <li>All guillotines are to be fitted with a blade guard on them.</li> </ul>		
Incloqueto or no quarding	Exposed outting blade	шен	Lagorationa	The blade guard is not to be removed under any circumstance.		
on Guillotine	Exposed cutting blade	пібп	Amputation	<ul> <li>Procurement procedure to recognise safety features such as blade</li> </ul>	LOW	
			7 inputation	guard as integral part of the procedure		
				<ul> <li>Guillotine to be removed from service if the blade guard is damaged.</li> </ul>		
Inexperienced operator	Has fingers too close to cutting	HIGH	Lacerations	<ul> <li>Only trained competent persons are allowed to use this piece of equipment</li> </ul>	LOW	
	eage		Amputation	<ul> <li>May be used under direct supervision of a competent person</li> </ul>		
PHOTOCOPIER						
				Direct or indirect reflected eye contact with the laser beam might cause		
Lacar strika			Tomporany loss of	serious eye injury so ensure that the lid is closed before pressing the		
Laser Suike	Exposed to light from	LOW	LOW vision	print button	LOW	
Laser strike	photocopier			<ul> <li>do not raise the lid until the printing has stopped.</li> <li>Necessary static series with the lid even</li> </ul>		
				Never use photocopier with the lid open		
		LOW		<ul> <li>Ensure workflow does not interfere with copier</li> <li>If add to see and the second discovery disc</li></ul>		
Changing cartridges	Chemical contact with skin	Low	Skin irritation	<ul> <li>If old type powder tohers, wear a disposable dust mask as well. Wash your hands after handling any toner</li> </ul>	LOW	
onunging our mages	Chemical contact with skin		Okin initiation	<ul> <li>Wear disposables gloves if handling any toner</li> </ul>	2011	
Fingers jammed in trays or	Entrapment	LOW	Bruising	<ul> <li>Ensure fingers are clear before closing any tray or lid.</li> </ul>	LOW	
Electrical leads / extens	ion cords					
				Lise electrical appliance close to power source		
				<ul> <li>Use isolating transformers or residual current device (where</li> </ul>		
	Electric check		Floatropution	necessary).		
	Electric Shock	HIGH	Death	<ul> <li>Ensure that all electrical equipment has a current test tag.</li> </ul>	LOW	
Faulty Electrical Equipment			Boath	<ul> <li>Physically check all lead for damage every three months.</li> </ul>		
/ Leads				<ul> <li>No power cords or extension cords are permitted in any walkways or access areas</li> </ul>		
			<b></b>	<ul> <li>Ensure that there is a foam fire extinguisher in the office and that there</li> </ul>		
	Eiro	шен	Blistering	are workers trained to use the fire extinguisher available at all times		
	L LIG	пісп	Property damaged	<ul> <li>Defective Equipment to be removed from office or immediately and tagged until it is either repaired replaced.</li> </ul>	LOW	



HAZARD	RISK	RISK RATING	POTENTIAL HARM	Risk Controls	RESIDUAL RISK RATING	Dates Reviewed / Comments
						-
HOT WATER	1					
				Install tempering valve		
Direct skin contact with			Blisterina	<ul> <li>Hand basins / showers/ tubs should not exceed 43 degrees Celsius</li> </ul>		
hot water	Outlet temperatures too hot	CRITICAL	Burns Temporary or	<ul> <li>Hot water cylinders should be set at 60 degrees Celsius and temperature at the sink or laundry area should be no greater than 55 degrees Celsius</li> </ul>	LOW	
			permanent loss of sight	<ul> <li>Have all hot water pipes, vessels and taps clearly marked.</li> </ul>		
				<ul> <li>Ensure cylinder (if installed) is secured (3 earthquake proof metal straps).</li> </ul>		
	Hot water burning / blistering		CRITICAL Blistering Burns	Install a filter / water restrictor to the tap to prevent splashing	LOW	
Splashing	skin	CRITICAL		<ul> <li>Do not carry hot liquids around the work area</li> </ul>		
Maintenance	failed tempering valve	CRITICAL	Temporary or permanent loss of sight	<ul> <li>Check temperatures at all hot water taps at least twice a year (record the temperatures) incase of failed tempering valve</li> </ul>	LOW	
DRINKING WATER (pot	able)					
	Galvanised nines /		Illness due to	Ensure all drinking water is potable.		
Drinking Water not to	contaminated water line	HIGH	contaminated water	<ul> <li>Ensure that water is below 20 Celsius</li> </ul>	LOW	
potable standard			supply Gastro issues	<ul> <li>Ensure any water filter is check and changed as per manufacturers instructions</li> </ul>		
Carrying full water cooler		шен	Pain & Discomfort	<ul> <li>Use two people to refill water cooler containers especially when lifting onto the base unit</li> </ul>		
container	Carry neavy awkward load	awkward load HIGH	injuries (PDI)	<ul> <li>If water cooler is being used, ensure that it is plumbed directly to a water connection rather than trying to fill and carry the water vessel</li> </ul>	LOW	
Insufficient water supply	Lack of drinking quality water on site	HIGH	Dehydration Headaches Dizziness Lack of concentration	<ul> <li>Ensure adequate water supply when working off site i.e. bottled water.</li> </ul>	LOW	



HAZARD	RISK	RISK RATING	POTENTIAL HARM	Risk Controls	RESIDUAL RISK RATING	Dates Reviewed / Comments
51.0.0.0.110				t		
FLOORING	1					
Wet flooring	Slipping over	HIGH		All spills cleaned up and floor dried off     If unable to dry off, isolate area with barrier arms and cones     If no cones or barriers are available, put up warning signage	LOW	
Uneven Surfaces	Tripping	HIGH	Bruising Soft tissue damage Fractures	<ul> <li>Transition areas between uneven flooring levels must be ramped whenever possible</li> <li>High vis paint painted onto the floor to warn of uneven surface</li> </ul>	LOW	
Damaged Flooring	Tripping	HIGH		Barrier off area until controls have been put in place     Report any damaged floor as soon as it is observed		
				<ul> <li>Barrier off section of flooring if it can cause a trip hazard</li> </ul>	LOW	
FLOORING continued						
Slippery Substances On Footwear	Slipping over	HIGH	Lacerations Bruising Soft tissue damage Fractures	<ul> <li>Change footwear when accessing area where product / substance such as oil could affect the grip of your footwear.</li> <li>Wear appropriate footwear for the flooring surface.</li> <li>Ensure that floors are clean regularly to prevent a build up</li> </ul>	LOW	
LIGHTING	·					
Insufficient lighting	Low light levels	HIGH	Temporary or permanent damaged to	<ul> <li>Ensure work area is well lit.</li> <li>Install LED lights wherever possible</li> <li>Insure adequate lighting in and area any parking areas</li> <li>Under a LUX survey to ensure that there is sufficient lighting for employees to undertake their tasks in safe manner</li> </ul>	LOW	
Glare	High light levels	HIGH	eye sight	<ul> <li>Ensure work areas are not effected by glare (sunlight)</li> <li>Install sunshade (roller blinds etc.) if necessary</li> </ul>	LOW	
Flickering lights	Faulty lights	HIGH		<ul> <li>Ensure that all lightbulbs are replaced as soon as they blown or faulty</li> <li>Stroboscopic effect eliminated by effectively working fluorescent tubes.</li> </ul>	LOW	



HAZARD	RISK	RISK RATING	POTENTIAL HARM	Risk Controls	RESIDUAL RISK RATING	Dates Reviewed / Comments
OFFICE VEHICLES						
				<ul> <li>Install barriers between car park and office access areas.</li> </ul>		
				<ul> <li>Install demarcation lines if barriers can not be installed.</li> </ul>		
Contrat haturan unhistor	Dedectrice being aus curabuse		Bruises	<ul> <li>Separate immediate car park area from pedestrian access.</li> </ul>		
contact between vehicles	Pedestrian being run over by a	CRITICAL	Eractures	<ul> <li>Restrict speed limit around pedestrian areas.</li> </ul>	LOW	
and pedestitans	venicie		Death	<ul> <li>Encourage drivers to reverse into car parks and drive out forwards.</li> </ul>		
				<ul> <li>Signage installed warning drivers of pedestrians.</li> </ul>	-	
				Install offset barriers to slow pedestrian traffic.		
	Untrained driver	d driver <b>HIGH</b>	Bruises Lacerations Fractures Death	<ul> <li>Ensure driver has a current license. Request copy of license at annual review stage</li> </ul>	LOW	
Unlicensed driver				<ul> <li>Have random checks throughout the year to ensure employee still has current license</li> </ul>		
Vehicle not mechanical	Safety features not operating correctly	t operating CRITICAL	Bruises Lacerations Fractures Death	<ul> <li>Ensure that a pre start check is undertaken on the vehicle every time a new driver gets into it</li> </ul>	LOW	
sound				<ul> <li>Any issues must notified to the manager immediately and the keys handed back in</li> </ul>		
Furnation around around	Hit pedestrian or run into structure /vehicles			<ul> <li>Install speed bumps to slow traffic down if necessary</li> </ul>	LOW	
the vards		HIGH		<ul> <li>Set speed limit around the yard at a maximum of 15km/h</li> </ul>		
and yurub				<ul> <li>Restrict vehicle traffic to freight trucks and tractor – no person vehicles</li> </ul>		
FIRE EXTINGUISHER						
Incorrect extinguisher for				<ul> <li>Ensure that the correct extinguishers are available for the type of fire is likely to occur.</li> </ul>	LOW	
the type of fire	Electric shock	HIGH	Electrocution,	<ul> <li>Ensure extinguishers have been checked by a qualified person annually</li> </ul>		
				<ul> <li>All extinguishers are to be hung up on brackets</li> </ul>		
Untrained operative	Blow back (fire)	CRITICAL	Burns Death	<ul> <li>All employees need to be trained in the safe and correct use of a Fire Extinguisher</li> </ul>	LOW	
	Inhalation of powder	HIGH	Respiratory distress Asphyxiation Death	<ul> <li>Ensure that training covers hazards associated with the operation of an extinguisher i.e. dry powder removes oxygen from the air so should not be used in confined spaces</li> </ul>	LOW	
Extinguisher not hung up and signage not displayed	Failure to locate extinguisher when needed	CRITICAL	Burns Death Structure damage	<ul> <li>All extinguishers are to be hung up on brackets</li> <li>Signage is to be display as close to extinguisher as possible</li> </ul>	LOW	

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HAZARD	RISK	RISK RATING	POTENTIAL HARM	Risk Controls	RESIDUAL RISK RATING	Dates Reviewed / Comments
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NOISE - general						
Exceeding daily workplace exposure levels	Exposure to excessive noise levels	CRITICAL	Partial or full hearing loss	<ul> <li>Undertake a noise survey of the workplace</li> <li>Procurement policy and procedure to include decibel rating of any new plant or equipment e.g. using battery operate tools instead of power tools (electric)</li> <li>Check the location of noisy equipment such as compressors – can these be moved to an area of the building where there are less people or moved outside of the work area altogether</li> <li>Audiometric testing of all employees issued with hearing protection (check Workplace exposure levels first)</li> <li>Provide suitable training to all employees and contractors that are / could be effect by any noise over 80dB</li> <li>Ensure that all employees and visitors to the affected area are wearing appropriate grade hearing protection</li> </ul>	LOW	
STAIRS	-				-	
Obstructed view		CRITICAL		<ul> <li>Do not carry anything in your hands that obstructs the view of the step / tread.</li> </ul>		
Failure to distinguish individual steps		CRITICAL		<ul> <li>Mark the edge of each tread with white or yellow paint</li> </ul>	- - LOW	
		CRITICAL	Sprains / strains Laceration Fractures	<ul> <li>Ensure that threads are not slippery, add anti slip cover if they are (rubber grip mat fixed to treads).</li> </ul>		
Slippery steps	Slip / trip / fall injuries			<ul> <li>Ensure that threads are not slippery, add anti slip cover if they are (rubber grip mat fixed to treads).</li> </ul>		
	_		Death	<ul> <li>Wipe up any spill immediately and dry off with a cloth</li> </ul>		
Inappropriate footwear	-	HIGH		<ul> <li>Ensure footwear is suitable for tread depth ,i.e. steep stairway – do not wear stiletto heels</li> </ul>		
Poor lighting		HIGH		<ul> <li>Ensure that there is adequate lighting to clearly see each tread on the stairwell</li> </ul>		
Loose balustrade		HIGH		<ul> <li>Ensure that the handrails are securely attached and in good condition</li> </ul>		

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HAZARD	RISK	RISK RATING	POTENTIAL HARM	Risk Controls	RESIDUAL RISK RATING	Dates Reviewed / Comments
ELECTRONIC EQUIPME	ENTE.G. COMPUTERS, R	ADIUS		-		
Overloading circuit	Electric shock	HIGH	Electrocution	<ul> <li>Do not overload sockets</li> <li>Hard wire as much equipment as possible rather than using multi boards or extension leads</li> </ul>	LOW	
	Electric shock	HIGH	Electrocution	<ul> <li>Ensure that they have been tagged and checked at least once a year by an electrician.</li> </ul>	LOW	
Failure to check condition of equipment	Fire / overheating	CRITICAL	Burns Property / structure / equipment damage	<ul> <li>Replace or repair any faulty appliances.</li> <li>Regularly check electrical wiring, switching and electrical equipment for signs of insulation breakdown, and cracks or breaks in switch or controller casings.</li> </ul>	LOW	
	Electric shock	HIGH	Electrocution	Do not overload a powerboard	LOW	
Powerboard overloads	Fire / overheating	CRITICAL	Burns Property / structure / equipment damage	<ul> <li>Do not repair or alter power board's yourself</li> <li>Only use a power board with a cut out devise</li> </ul>	LOW	
	Electric shock	HIGH	Electrocution	<ul> <li>Put wiring, power points, power boards out of reach of children. or child safety plugs are fitted to open sockets</li> </ul>	LOW	
Exposed power points	Fire / overheating	CRITICAL	Burns Property / structure / equipment damage	<ul> <li>Do not use power board's that are damaged. – cut off the plug and destroy them</li> </ul>	LOW	
SHELVING						
Falling objects	Objects falling from heights	HIGH	Bruising Lacerations Fractures Death	<ul> <li>Don't store unstable loads at height</li> <li>Ensure that the shelving unit it fitted with side railings to reduce incidents of falling objects</li> <li>Don't over stack shelving unit.</li> <li>Don't overload shelving</li> <li>Inspect the storage area regularly and report any damage to shelving</li> </ul>	LOW	
	Unsecured shelving	HIGH		Secure all shelving to a wall or part of the building structure	LOW	

OPERATIONAL ACTIVITIES							
Use of sewerage and contaminated water for fire fighting	Biohazard		Sickness Disease	<ul> <li>Refer to control measures outlined in hazard ID</li> </ul>	LOW	15 December 2016	
Concentrate class A firefighting foam	Irritant	LOW	Possible allergies Skin irritation Eye irritation	<ul> <li>Refer to control measures outlined in hazard ID</li> </ul>	LOW	15 December 2016	
Concentrate fire retardant	Poisoning	HIGH	Skin irritation Eye irritation Sickness	<ul> <li>Refer to control measures outlined in hazard ID</li> </ul>	LOW	15 December 2016	

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HAZARD	RISK	RISK RATING	POTENTIAL HARM	Risk Controls	RESIDUAL RISK RATING	Dates Reviewed / Comments
	1		-			
Noise from fire pumps, machinery and aircraft	Exposure to excessive noise levels	HIGH	Breathing problems Partial or full hearing loss	<ul> <li>Refer to control measures outlined in hazard ID</li> </ul>	LOW	15 December 2016
Working in cold, wet & windy conditions	Exposure to elements	CRITICAL	Hypothermia Death	<ul> <li>Refer to control measures outlined in hazard ID</li> </ul>	LOW	15 December 2016
Fire hose bursting under pressure or a coupling blowing off	Injury to workers	HIGH	Bruising Lacerations Fractures	Refer to control measures outlined in hazard ID	LOW	15 December 2016
Working around helicopters	Injury to workers	CRITICAL	Bruising Lacerations Fractures Death	<ul> <li>Refer to control measures outlined in hazard ID</li> </ul>	LOW	15 December 2016
Fumes from fire pumps & fire risk while re-fuelling	Inhalation of fumes Fire	HIGH	Sickness Loss of bodily functions Burns Death	<ul> <li>Refer to control measures outlined in hazard ID</li> </ul>	LOW	15 December 2016
Hand tools and their use	Injury to workers	HIGH	Bruising Lacerations Fractures Death	<ul> <li>Refer to control measures outlined in hazard ID</li> </ul>	LOW	15 December 2016
Hazards arising from the use of motorised tools – chainsaws & scrub bars	Injury to workers	CRITICAL	Bruising Lacerations Fractures Burns Death	<ul> <li>Refer to control measures outlined in hazard ID</li> </ul>	LOW	15 December 2016
Carrying equipment on uneven ground – incorrectly carried, lifting, falling & weight of equipment	Injury to workers Damage to plant & equipment	HIGH	Bruising Lacerations Fractures Strains Death	<ul> <li>Refer to control measures outlined in hazard ID</li> </ul>	LOW	15 December 2016
Working with heavy machinery (bulldozers & diggers)	Injury to workers Damage to plant & equipment	CRITICAL	Bruising Lacerations Fractures Death	<ul> <li>Refer to control measures outlined in hazard ID</li> </ul>	LOW	15 December 2016
Working around fixed wing aircraft	Injury to workers	CRITICAL	Bruising Lacerations Fractures Death	<ul> <li>Refer to control measures outlined in hazard ID</li> </ul>	LOW	15 December 2016
Climbing 10 metre mast for instrument inspection & maintenance on remote automatic weather stations	Falling	CRITICAL	Bruising Lacerations Fractures Strains	<ul> <li>Refer to control measures outlined in hazard ID</li> </ul>	LOW	15 December 2016

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HAZARD	RISK	RISK RATING	POTENTIAL HARM	Risk Controls	RESIDUAL RISK RATING	Dates Reviewed / Comments
				-		-
			Death		LOW	15 December 2016
Limited visability and speeding vehicles while working on/near roads	Injury to workers Damage to plant & equipment	HIGH	Lacerations Fractures Strains Death	<ul> <li>Refer to control measures outlined in hazard ID</li> </ul>	LOW	15 December 2010
Insufficient rest:work ratio while involved in fire suppression operations	Injury to workers Damage to plant & equipment	HIGH	Fatigue Bruising Lacerations Fractures Strains Death	<ul> <li>Refer to control measures outlined in hazard ID</li> </ul>	LOW	15 December 2016
Direct contact to heat source & exposure to radiant heat	Injury to workers	CRITICAL	Burns Death	<ul> <li>Refer to control measures outlined in hazard ID</li> </ul>	LOW	15 December 2016
Unexpected changes in fire behaviour putting fire fighters in danger	Injury to workers Damage to plant & equipment	CRITICAL	Bruising Lacerations Fractures Strains Burns Death	<ul> <li>Refer to control measures outlined in hazard ID</li> </ul>	LOW	15 December 2016
Smoke inhalation	Injury to workers	CRITICAL	Breathing problems Damage to airway Burns to airway Suffocation Carsenagenic contamination Death	<ul> <li>Refer to control measures outlined in hazard ID</li> </ul>	LOW	15 December 2016
Superheated air	Injury to workers	CRITICAL	Breathing problems Damage to airway Burns to airway Death	<ul> <li>Refer to control measures outlined in hazard ID</li> </ul>	LOW	15 December 2016
Airbirne sparks and ash	Injury to workers Damage to plant & equipment	HIGH	Breathing problems Damage to airway Burns to airway Suffocation Death	Refer to control measures outlined in hazard ID	LOW	15 December 2016
Spot fire – indicate extreme fire behaviour & can grow rapidly trapping fire fighters	Injury to workers Damage to plant & equipment	CRITICAL	Breathing problems Damage to airway Burns to airway Suffocation Burns Death	<ul> <li>Refer to control measures outlined in hazard ID</li> </ul>	LOW	15 December 2016

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HAZARD	RISK	RISK RATING	POTENTIAL HARM	Risk Controls	RESIDUAL RISK RATING	Dates Reviewed / Comments
Power lines arching, broken	Injury to workers		Electrocution	<ul> <li>Refer to control measures outlined in hazard ID</li> </ul>	LOW	15 December 2016
or with cardon or salt build	Damage to plant & equipment	HIGH	Bums Death			
up on lines of madiators			Heat stress	<ul> <li>Refer to control measures outlined in hazard ID</li> </ul>	LOW	15 December 2016
Metabolic heat build up in	Injury to workers	CRITICAL	Heat exhaustion			
fire fighters		ORTIOAL	Heat stroke			
			Death			

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## Industry Recommendations and Standards

Where practicable the employer must comply with the Industry Recommendations and Standards published by WorkSafe NZ or comparable organisations. A non-exhaustive list is set out below. SRFA is committed to identifying and accommodating any changes to these standards.

### Non-exhaustive list of relevant health and safety publications

- Legislation and Regulations:
  - Health and Safety at Work Act 2015.
  - Health and Safety at Work (General Risk and Workplace Management) Regulations 2016.
  - o Health and Safety at Work (Asbestos) Regulations 2016.
  - o Health and Safety at Work (Worker Engagement, Participation and Representation) Regulations 2016.
  - Forest and Rural Fires Act 1977.
  - Forest and Rural Fires Regulations 2005.
  - Fire Service Act 1975.
  - Civil Defence Emergency Management Act 2002.
  - $\circ$   $\;$  Hazardous Substances and New Organisms Act 1996.
  - Accident Compensation Act 2001.
  - Employment Relations Act 2000.
  - o Land transport(Road User) Rule 2004.
- Introduction to the Health and Safety at Work Act 2015, WorkSafe NZ, March 2016.
- Health and Safety Guide: Good Governance for Directors, WorkSafe NZ, March 2016.
- Good Practice Guidelines: Worker Engagement, Participation and Representation, WorkSafe NZ, March 2016.
- Heights Publications:
  - Best Practice Guidelines for Working at Height in NZ, Ministry of Organisation, Innovation and Employment, April 2012.
  - o Fact Sheet 1: Planning a Safe Approach to Working at Height, WorkSafe NZ, September 2015
  - o Fact Sheet 2: Selecting the Right Equipment for Working Safely at Height, WorkSafe NZ, June 2015.
  - Fact Sheet 6: Total Restraint System, WorkSafe NZ, June 2015.
- Ladder Publications
  - Fact Sheet: Safe Working with ladders and Stepladders, WorkSafe NZ, August 2015.
- A Guide to Respiratory Protection, Department of Labour, August 1999.
- Code of Practice for Manual Handling, Department of Labour, June 2001.
- Asbestos Publications:
  - o Information Sheet 1: Health Risks from Asbestos Exposure, WorkSafe NZ, April 2016
  - o Information Sheet 2: Locations Where Asbestos May be Found, WorkSafe NZ, April 2016
  - o Information Sheet 4: Managing Asbestos, WorkSafe NZ, April 2016.

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- Noise:
  - o ACOP: Management of Noise in the Workplace, Department of Labour, October 2002.
  - o Factsheet: Noise in Manufacturing, WorkSafe NZ, February 2016.
  - $\circ \quad \text{Noise Control, ACC.}$
- Your Safe Driving Policy, ACC, October 2010.
- Fact Sheet- Workplace Traffic Management, WorkSafe NZ, May 2015.
- Best Practice Guidelines Preventing and responding to workplace bullying, WorkSafe NZ, February 2014.
- Fact Sheet Personal Protective Clothing & Equipment, Department of Labour, December 2002.
- First Aid for Workplaces A Good Practice Guide, August 2011.
- Guidelines for Using Computers preventing and managing discomfort, pain and injury, ACC, November 2010.
- Healthy Work: Managing Stress and Fatigue in the workplace, 2003.
- Approved Code of Practice Substances Hazardous to Health in the Place of Work, July 1997.
- Safe Stacking and Storage, Department of Labour, revised 1999.
- Fact Sheet: Stacking and Shelving to Withstand Earthquakes, WorkSafe NZ, January 2016.