Supporting: MSMWHS200 Work safely

 MSFFL3002 Establish and maintain a safe flooring technology work environment
TLID2003 Handle dangerous goods/hazardous substances

# Section 3 Assignment: Managing risks

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** |  | **Date** |  |

Carry out a risk assessment in your workplace. You may choose:

* a particular area of the workplace or building site that you’ll be working at
* a work process that you regularly undertake or machine you use.

For each of the hazards you identify:

* describe the situations where they occur
* rate the risk of injury or illness from 1 to 3, using the Risk Matrix
* suggest practical control measures that would minimise the risks, in keeping with the risk rating you have given the hazard.

|  |  |
| --- | --- |
| **Area, process or equipment being assessed** |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Risk Matrix** | **Likely**Could happen frequently | **Moderate**Could happen occasionally | **Unlikely**May occur, but only in exceptional circumstances |
| **High** level of harmDeath, permanent disability, major structural failure or damage | **1** | **1** | **2** |
| **Medium** level of harmTemporary disability, minor structural failure or damage | **1** | **2** | **3** |
| **Low** level of harmFirst aid required | **2** | **3** | **3** |

(Adapted from the ‘OHSE Risk Matrix’ developed by WorkCover for its ‘SubbyPack’)

### 1. Pinch points and crush injuries

|  |  |  |  |
| --- | --- | --- | --- |
| A. Are there any exposed or unguarded moving parts (such as gears, drive shafts, rollers, chains, sprockets, wheels) which may catch clothing or body parts? | YesNo | ❑❑ | Pinch point icon |
| Tasks | Risk  | Suggested controls |
|  |  |  |
| B. Can anyone be crushed due to: 1. falling material, unexpected movement of the equipment or its load, or the equipment tipping over?
2. being thrown off or under the equipment, or being trapped between the equipment and other structures?
 | YesNo | ❑❑ | Crush injury icon |
| Tasks | Risk  | Suggested controls |
|  |  |  |

### 2. Cuts, punctures or strikes

|  |  |  |  |
| --- | --- | --- | --- |
| A. Can anyone be cut, punctured or struck from:1. coming into contact with sharp objects or surfaces or moving parts?
2. work pieces or materials being ejected, or parts of the equipment disintegrating?
 | YesNo | ❑❑ | Puncture icon |
| Tasks | Risk  | Suggested controls |
|  |  |  |

### 3. Hydraulic or pneumatic leaks

|  |  |  |  |
| --- | --- | --- | --- |
| A. Can anyone come into contact with hydraulic fluid or compressed air due to: 1. equipment failure or misuse?
2. any other factors?
 | YesNo | ❑❑ | Pneumatic leak icon |
| Tasks | Risk  | Suggested controls |
|  |  |  |

### 4. Electrical

|  |  |  |  |
| --- | --- | --- | --- |
| A. Can anyone suffer electric shock from:1. exposed live contacts, or the presence of water or other conducting material?
2. overloading of electrical circuits (including over-use of power boards)?
3. damaged electrical leads, cables, switches, plugs or power points?
 | YesNo | ❑❑ | Electric shock icon |
| Tasks | Risk  | Suggested controls |
|  |  |  |

### 5. Manual handling and ergonomics

|  |  |  |  |
| --- | --- | --- | --- |
| A. Will anyone be exposed to muscle strain, sprain or back injury from:1. bending forwards, sideways or twisting, especially if movements are combined
2. sudden or jerky movements, or lifting loads unevenly or to one side?
3. lifting, pushing or pulling heavy loads?
 | YesNo | ❑❑ | Back injury icon |
| Tasks | Risk  | Suggested controls |
|  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| B. Will anyone be exposed to muscle strain, sprain or back injury from:1. handling objects that are too heavy without having help available?
2. working in cramped or awkward spaces, or on uneven ground or slippery floors?
3. reaching above shoulder height or below knee level
 | YesNo | ❑❑ | Back injury icon |
| Tasks | Risk  | Suggested controls |
|  |  |  |

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| --- | --- | --- | --- |
| C. Will anyone be exposed to muscle strain, sprain or back injury from:1. vibrations or jarring?
2. moving materials over a long distance or handling loads that can’t be held close?
3. staying in one position, especially bent, or carrying out fast repetitive actions?
 | YesNo | ❑❑ | Back injury icon |
| Tasks | Risk  | Suggested controls |
|  |  |  |

### 6. Controls and isolation

|  |  |  |  |
| --- | --- | --- | --- |
| A. Are any controls not clearly marked, or out of easy reach of operators? | YesNo | ❑❑ | Control buttons |
| Tasks | Risk  | Suggested controls |
|  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| B. Is there any problem in isolating the equipment from all sources of energy (such as through tagging out or locking out)? | YesNo | ❑❑ | Tagout icon |
| Tasks | Risk  | Suggested controls |
|  |  |  |

### 7. Slips and falls

|  |  |  |  |
| --- | --- | --- | --- |
| A. Can anyone fall from a height (such as from a lack of guardrails or fallback cages)? | YesNo | ❑❑ | Fall icon |
| Tasks | Risk  | Suggested controls |
|  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| B. Can anyone be exposed to trip or slip hazards from parts, fittings, surfaces, floors or substances? | YesNo | ❑❑ | Slip icon |
| Tasks | Risk  | Suggested controls |
|  |  |  |

### 8. Personal protective equipment

|  |  |  |  |
| --- | --- | --- | --- |
| A. Does the activity require the use of a dust mask or respirator? | YesNo | ❑❑ | Dust mask icon |
| Tasks | Risk  | Suggested controls |
|  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| B. Does the equipment operate in a high noise area or at a noise level that may require the use of hearing protection? | YesNo | ❑❑ | Hearing protection icon |
| Tasks | Risk  | Suggested controls |
|  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| C. Will anyone be exposed to flying particles that may require the use of eye protection? | YesNo | ❑❑ | Eye protcetion icon |
| Tasks | Risk  | Suggested controls |
|  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| D. Do operators need any other items of PPE (such as high visibility vests)? | YesNo | ❑❑ | High viz vest icon |
| Tasks | Risk  | Suggested controls |
|  |  |  |

### 9. Lighting

|  |  |  |  |
| --- | --- | --- | --- |
| A. Are any areas poorly lit, particularly around: 1. operational parts of the equipment?
2. general work areas and thoroughfares?
 | YesNo | ❑❑ | Lighting icon |
| Tasks | Risk  | Suggested controls |
|  |  |  |

### 10. Fatigue management

|  |  |  |  |
| --- | --- | --- | --- |
| A. Is fatigue likely to be a factor in the operator’s ability to concentrate and work safely (such as through working long hours, unpredictable hours or variable shift rosters)? | YesNo | ❑❑ | Fatigue management icon |
| Tasks | Risk  | Suggested controls |
|  |  |  |

### 11. Traffic control

|  |  |  |  |
| --- | --- | --- | --- |
| A. Are there likely to be other vehicles or pedestrians in the work area or thoroughfares while the operator is working? | YesNo | ❑❑ | Traffic control icon |
| Tasks | Risk  | Suggested controls |
|  |  |  |