Template only MUST modify to site conditions

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| Site / Area: |  | Date of Assessment |  | Risk Assessment # | **038RA** |
| Completed by (name) |  | Signature |  | | |
| In Consultation with: |  | Signature |  | | |
| Identify / describe activity, equipment, area or event you are assessing: | | | **AIR COMPRESSOR** | | |
| Authorised by: |  | Signature: |  | Date: |  |
| **In conjunction with this risk assessment, training / education and development of a relevant SOP may be required.** | | | | | |
| **Step 1:** **Identify the hazard/s / Impact:**What do you believe are the hazards? What could happen? | | **Step 2: Assess the potential risks:**  What do you believe are the risks?  How could this happen? | | **Step 3: Reducing the risk:**  What do you believe can be done to reduce the risk?  Controls | |
| **Machinery & Equipment**   * Parts being ejected * Cracked hoses * Uncontrolled release of compressed air * Being hit by a moving part * Lack of maintenance | | * Becoming entangled in moving parts of the plant (“V” belt drive wheels) * Laceration or amputation of fingers or hand in the moving belt/wheels * Being hit by damaged air-line / fitting becoming dislodged * Blowing compressed air at others or self * Injured while conducting maintenance on the plant * Plant could explode / disintegrate from over-pressure valve or regulator not working correctly. | | * Plant has mesh guarding fitted to drive wheels and is enclosed in a mesh safety cage. * Regular workplace inspections are conducted * Person instructed to not blow compressed air at others and not to place air outlet on their skin. * Persons are trained in plant maintenance, and all equipment is “locked-out” electrically when maintenance is undertaken * Blow off fittings to be used where possible. * Lock Out / Tag Out system in place. * Two (2) yearly inspections required for those compressors that require registration with SafeWork SA. (Refer WHS Regulations SA Schedule 5 (Part 1)) | |
| **Electrical**   * electrical exposure * frayed cords * faulty plugs * overheating equipment * cutting through cords * faulty appliance. | | * Electrocuted * Electric shock from poorly maintained / damaged plant * Electrical installation could be impacted and damaged * Damaged wiring could cause an electrical fire * Plant could start automatically without warning. | | * The plant undergoes regular electrical inspections (test & tag) * The main power distribution board is RCD protected * Workplace inspections are conducted to identify defective items * Plant is fitted with standard on / off control panel. * Lock Out / Tag Out system in place. | |
| **Noise**   * loud noises * prolonged exposure * noisy equipment. | | * Potential hearing loss /impairment * Workers and others cannot communicate due to noise | | PPE is available if required, ear plugs, earmuffs.  * Compressor has been permanently mounted outside the building. | |
| **Hazardous Manual Tasks**   * moving small air compressors | | * Sprains / strains | | Minimise the need to move portable air compressors.  * Wheels are checked regularly to ensure are working effectively | |
| **Gravity**   * slips, trips or falls from cords | | * Sprains / strains * Broken limbs | | * Ensure cords are kept secured and not in walkways. | |
| **Other** | |  | |  | |
| **Review hazard / risk assessment if task or circumstances change & at intervals appropriate to the level of risk (minimum 5 years)** | | | | | |

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| **Step 4: Monitor & Review:** | | | | | | | | |
| Were the controls effective? | | | | Were there any unforeseen hazards / incidents? | | | | New controls |
| Yes |  | No |  | Yes |  | No |  |
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