Risk Assessment - Use of Power Tools

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Use of power tools

Type	Hazard Cause	Persons Affected	Control Measures	L S T Overall	Additional Control Measures	L S T Overall	Owner/Action
Health and Safety	Personal Injury Multiple causes included contact with moving parts, sharps objects, entanglement, electrical shock etc.	Volunteers & Staff	1) CRITICAL - Elimination: No loose clothes, jewellery, overly long sleeves, ties or gloves will be worn. - Effective 2) CRITICAL - Elimination: Hands must be kept clear of the rotating or moving parts. - Effective 3) CRITICAL - Elimination: Equipment should be inspected before and after use. - Effective 4) CRITICAL - Engineering: Machine guards where available must be fitted, clean, functional and used at all times. - Effective 5) CRITICAL - Engineering: Any fitted safety devices such as overloads must be fitted and functional. - Effective 6) CRITICAL - Engineering: The machine must be held firmly and away from the body. - Effective 7) CRITICAL - Engineering: The cutting piece or work tool must be securely fixed, in good condition and guarded. - Effective 8) CRITICAL - Engineering: The machine must be switched off and power isolated or unplugged and locked out where possible before any maintenance activity takes place. - Effective 9) CRITICAL - Engineering: Ensure that all power and speed settings are appropriate depending on the task to be carried out. - Effective 10) CRITICAL - Engineering: Trailing leads and hoses must be managed so as not to become a trip hazard. - Effective 11) CRITICAL - Engineering: Equipment should only be used for the task that it was designed for and should not be adapted or abused. - Effective 12) CRITICAL - Engineering: Workpieces must be securely fixed or clamped before work starts as appropriate. - Effective 13) CRITICAL - Engineering: Decontaminate all materials before work starts (grease, dirt, oils etc.) - Effective 14) CRITICAL - Administrative: Only competent and authorised staff are to use the equipment. - Effective 15) CRITICAL - Administrative: The equipment will be mechanically and electrically maintained including PAT testing. All safety features will be tested. - Effective 16) CRITICAL - Administrative: A hair net or cap will be worn by staff with long hair. - Effective 17) CRITICAL - Administrative: The machine must never be left unsupervised if energised. - Effective 18) CRITICAL - Administrative: Only those persons that are experienced and competent can use and/or alter the machine. - Effective 19) CRITICAL - Administrative: Housekeeping in the area must be good with no clutter or other hazards. - Effective 20) CRITICAL - Administrative: Keep others away from the work area to avoid distraction and also being hit by ejected particles. - Effective 21) CRITICAL - Administrative: Be aware of the risk of the risk of fire from produced heat or sparks. - Effective 22) CRITICAL - Administrative: Fire extinguishers should be available - Effective CONTINUES ON NEXT PAGE	2 x 4 = 8 Medium - Risk to be minimised and controlled so far as is reasonably practical.	1) Engineering: Consider using padded anti-vibration gloves to avoid HAVS. - Effective 2) Engineering: Consider using fume extraction systems or air flow systems if dust or fume are present. - Effective 3) Engineering: Consider damping down the work area before and after the task is completed. - Effective 4) Engineering: Consider the use of flame blankets to reduce the fire risk. - Effective 5) PPE: Consider wearing a safety apron if sparks or sharp projectiles are produced. - Effective	2 x 4 = 8 Medium - Risk to be minimised and controlled so far as is reasonably practical.	

Type	Hazard Cause	Persons Affected	Control Measures	L S T Overall	Additional Control Measures	L S T Overall	Owner/Action
			23) CRITICAL - Administrative: Ensure no unnecessary flammables are in the work area. - Effective 24) CRITICAL - Administrative: Maintain a good posture when working and avoid crouching over or becoming too close to the work piece or tools. - Effective 25) CRITICAL - Administrative: Be aware of your own limitations. - Effective 26) CRITICAL - PPE: Eye and ear protection, overalls or dust coat and steel toe-capped footwear must be worn. - Effective				

Score and Control Measure Notes.
Risk is medium due to potential injury.
All control measures must be followed.
The risk remains medium.

COSHH Assessments

There are no COSHH assessments associated with this risk assessment.
Ends