



Gloucestershire Warwickshire Steam Railway Plc
Risk Assessment for Workshop - Use of a Bandsaw - Global

Risk Assessment - Workshop - Use of a Bandsaw

Reference No: GLO-44392-85

Version No: 5

Assessment Approver: Kevin 'Kev' Jarvis

Department: Global

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Use of a bandsaw in a workshop environment

Type	Hazard Cause	Persons Affected	Control Measures	L Overall	S T	Additional Control Measures	L Overall	S T	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 should be worn. - Effective 2) CRITICAL - Elimination: Hands should be kept well clear of all moving parts - Effective 3) CRITICAL - Engineering: An 'Emergency Stop' or other stop switch should be fitted within the reach of the user. - Effective 4) CRITICAL - Engineering: Machine guards should be fitted, clean, functional and used at all times. - Effective 5) CRITICAL - Engineering: Any fitted safety devices such as 'Impact Wands', safety wires, foot switches or overloads should be fitted and functional. - Effective 6) CRITICAL - Engineering: The machine should be securely fixed to the floor or other stable and unmovable surface. Those machines that are mounted on wheels should be securely fixed whilst in use to stop them from moving. - Effective 7) CRITICAL - Engineering: The cutting blade should be securely fixed, sharp, guarded where possible and in good condition. - Effective 8) CRITICAL - Engineering: The machine should be switched off and power isolated and locked out where possible before any maintenance activity takes place. - Effective 9) CRITICAL - Engineering: The blade of the machine must stop rotating within 10 seconds of a stop button being pressed. - Effective 10) CRITICAL - Engineering: The blade supports should be adjusted appropriately for the size of the material being cut. - Effective 11) CRITICAL - Engineering: Heavy materials and offcuts should be suitably supported as appropriate. - Effective 12) CRITICAL - Engineering: Cutting fluids should be used as appropriate and maintained to remain in a suitable condition for use. - Effective 13) CRITICAL - Engineering: The machine should be stopped before the work piece is removed from any clamps. - Effective 14) CRITICAL - Administrative: Only competent and authorised staff should use the equipment. - Effective 15) CRITICAL - Administrative: The equipment should be mechanically and electrically maintained regularly and accurate records of maintenance activity should be kept. All safety features should be tested. - Effective 16) CRITICAL - Administrative: A hair net or cap should be worn for staff with long hair. - Effective 17) CRITICAL - Administrative: The machine should never be left unsupervised if energised. - Effective 18) CRITICAL - Administrative: Only the user and any trainees should be near to the machine when it is in operation. - Effective 19) CRITICAL - Administrative: Care should be taken when removing the workpiece from the machine when it is still rotating. - Effective 20) CRITICAL - PPE: Eye protection, overalls or dust coat and steel toe-capped footwear should be worn. - Effective	2 x 4 = 8 Medium - Risk to be minimised and controlled so far as is reasonably practical.		1) Engineering: Consider the use of interlocked guards - Effective 2) Engineering: Push sticks to be used with wood bandsaws to keep hands away from the cutting blade if necessary - Effective 3) Engineering: Consider the use of a dust extraction system in situations where large amounts of dust are generated. - Effective 4) Administrative: Be aware of potential for the material or off-cuts to be ejected from the machine and stand in a position to minimise likelihood of impact. - Effective 5) PPE: Consider wearing a dust mask in applications where dust is present. - Effective 6) PPE: Wear ear protection if desired and always if noise surveys have indicated that ear protection is required. - Effective	2 x 4 = 8 Medium - Risk to be minimised and controlled so far as is reasonably practical.	n/a	



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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



Appendix

Image not found.

Reference: UI-44392-216
Bandsaw - Steam Dept bandsaw