Gloucestershire Warwickshire Steam Railway Plc
Risk Assessment for Use of Gas Torches - Construction and Maintenance

Risk Assessment - Use of Gas Torches

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Department: Construction and Maintenance
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Use of gas torches

Type	Hazard Cause	Persons Affected	Control Measures	L S T Overall	Additional Control Measures	L S T Overall	Owner/Action
Health and Safety	Burns or damage caused by naked flame Improper use or failure of equipment	Volunteers & Staff	1) CRITICAL - Engineering: All equipment must be visually checked before each use - Effective 2) CRITICAL - Engineering: Protect items in close proximity to the work area with heat resistant materials - Effective 3) CRITICAL - Engineering: All gas cylinders must remain upright when being transported or in use. - Effective 4) CRITICAL - Engineering: Never roll gas cylinders or drop them - Effective 5) CRITICAL - Administrative: Fire extinguishers or other fire fighting equipment must be available. - Effective 6) CRITICAL - Administrative: Equipment must only be used in a well ventilated area - Effective 7) CRITICAL - Administrative: All flammable materials are to be removed from the work area - Effective 8) CRITICAL - Administrative: Following the directions given in the Safe System of Work for Gas Torches document. - Effective 9) CRITICAL - Administrative: Do not open the valve of unconnected cylinders. - Effective 10) CRITICAL - Administrative: Store gas cylinders in well ventilated areas and away from heat sources. - Effective 11) CRITICAL - PPE: Safety footwear, gloves, overalls and eye protection to be worn - Effective	2 x 3 = 6 Medium - Risk to be minimised and controlled so far as is reasonably practical.	1) Engineering: Consider using a trolley with a securing chain for larger cylinders. - Effective 2) Administrative: Use proper lifting techniques when handling gas cylinders. - Effective 3) Administrative: Hoses and regulators should be replaced approximately every 5 years. - Effective 4) Administrative: Any area where hot work has been undertaken should have a fire-watcher in place for one hour after the work has finished. - Effective 5) PPE: Consider using a full face mask for protection. - Effective 6) PPE: Consider wearing flame retardant overalls. - Effective	2 x 3 = 6 Medium - Risk to be minimised and controlled so far as is reasonably practical.	n/a

Score and Control Measure Notes.
Risk is medium due to possibility of starting a fire
Risk remains medium

COSHH Assessments

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

Appendix



Reference: UI-44519-916
Gas Torch -



Reference: UI-44519-561
Gas Torch & Bottle -