



Gloucestershire Warwickshire Steam Railway Plc
Risk Assessment for Use of The Goods Shed - Loco Dept Welfare Building - Steam Loco

**Risk Assessment - Use of The Goods Shed - Loco
Dept Welfare Building**

Reference No: STE-44313-76

Version No: 3

Assessment Approver: Kevin 'Kev' Jarvis

Department: Steam Loco

Date Of Assessment: 27 April 2021

Review Due Before: 10 April 2027

Lead Assessor: Kevin Jarvis

Team: John Forkes, Martin Sedgwick, John Cruxon, Ian Grant, Ian Butler, John Cruxon.

Use of The Goods Shed

Type	Hazard Cause	Persons Affected	Control Measures	L Overall	S T	Additional Control Measures	L Overall	S T	Owner/Action
Health and Safety	Slips/Trips/Falls Various trip hazards	Volunteers, Staff & Contractors	1) CRITICAL - Engineering: Handrails on all stairways and elevated areas - Effective 2) CRITICAL - Engineering: Suitable task and emergency lighting in all areas - Effective 3) CRITICAL - Engineering: Exterior walkways concreted - Effective 4) CRITICAL - Administrative: Clear and Tidy Work Area - Effective 5) CRITICAL - Administrative: Regular cleaning regime in all areas by professional contractors and volunteers - Effective 6) CRITICAL - Administrative: Emergency lighting testing schedule in place. - Effective 7) CRITICAL - PPE: First aid kits are provided - Effective	2 x Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	2 = 4	1) Engineering: Users to consider wearing their own shower flip-flops. - Effective 2) Engineering: Anti-Slip treads fitted to the internal staircase. - Effective 3) Administrative: Install floor markings for potential trip hazards - Effective	2 x Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	2 = 4	n/a

Score and Control Measure Notes.

Risk score medium due to volume of users, number of stairs, changing and shower facilities.

Risk score remains the same.

Health and Safety	Natural Gas Loss of containment causing leaks and potential fire/explosion.	Volunteers, Staff & Contractors	1) CRITICAL - Engineering: Gas system installed and tested in line with current regulations - Effective 2) CRITICAL - Engineering: Protective barrier in place for external pipe line - Effective 3) CRITICAL - Engineering: Gas boiler installed in separate room from normal activities - Effective 4) CRITICAL - Engineering: Main isolation valve easily accessible and good signage - Effective 5) CRITICAL - Administrative: Gas systems well identified and labelled - Effective 6) Administrative: Gas leak can be detected by smell - Effective 7) CRITICAL - Administrative: No smoking allowed inside the building - Effective 8) CRITICAL - Administrative: Gas equipment has a routine testing regime in place. - Effective	2 x Medium - Risk to be minimised and controlled so far as is reasonably practical.	5 = 10	1) Engineering: Install a gas detection system - Effective 2) Engineering: Introduce an Asset Management plan to oversee the equipment - Effective 3) Administrative: Create a 'Gas Information Bulletin' for all users so that they are aware what to do if there is a leak - Effective	2 x Medium - Risk to be minimised and controlled so far as is reasonably practical.	4 = 8	n/a
-------------------	--	---------------------------------------	---	--	--------	--	--	-------	-----

Score and Control Measure Notes.

Risk medium due to potential impact.

Risk score remains the same.

Health and Safety	Fire Combustion of flammable materials	Volunteers, Staff & Contractors	1) CRITICAL - Engineering: Fire Risk Certificate in place for the building - Effective 2) CRITICAL - Engineering: Fire Risk Assessment in place with appropriate actions - Effective 3) CRITICAL - Engineering: Illuminated escape signs in place - Effective 4) CRITICAL - Engineering: Fire/Smoke detector system in place - Effective 5) CRITICAL - Engineering: Various types of fire extinguishers and blankets in place - Effective 6) CRITICAL - Engineering: Fire doors fitted throughout the building - Effective 7) CRITICAL - Administrative: Marked escape routes in place - Effective 8) CRITICAL - Administrative: Regular testing and recording of systems in place - Effective 9) CRITICAL - Administrative: Cover fire risks in induction training - Effective 10) CRITICAL - Administrative: All volunteers to undertake GWSR Fire Awareness training. - Effective 11) CRITICAL - PPE: A burns kit is provided - Effective	2 x Medium - Risk to be minimised and controlled so far as is reasonably practical.	3 = 6	1) Engineering: Install gas detection systems - Effective	2 x Medium - Risk to be minimised and controlled so far as is reasonably practical.	3 = 6	n/a
-------------------	---	---------------------------------------	--	--	-------	---	--	-------	-----



Gloucestershire Warwickshire Steam Railway Plc
Risk Assessment for Use of The Goods Shed - Loco Dept Welfare Building - Steam Loco

Type	Hazard Cause	Persons Affected	Control Measures	L Overall	S T	Additional Control Measures	L Overall	S T	Owner/Action
Score and Control Measure Notes. Risk is medium and can be managed. Risk remains the same.									
Health and Safety	Burns and scalds Contact with hot surfaces or materials	Volunteers, Staff & Contractors	1) CRITICAL - Engineering: All newly installed equipment meets current standards - Effective 2) CRITICAL - Engineering: Temperature controls of water and gas systems set appropriately to the manufacturers recommended settings - Effective 3) CRITICAL - Engineering: Hot pipework either lagged or positioned out of reach - Effective	1 x Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	2 = 2	None	1 x Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	2 = 2	n/a
Score and Control Measure Notes. Low risk due to nature of hazard. No further control measures identified at this time.									
Health and Safety	Legionella Disease Bacteria in water systems	Volunteers, Staff & Contractors	1) CRITICAL - Engineering: Tests carried out during installation - Effective 2) Engineering: Pipe runs all in regular use - Effective 3) Engineering: Piping designed with short runs - Effective 4) CRITICAL - Administrative: Testing to be carried out in line with the current Regs - Effective	1 x Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	3 = 3	1) Administrative: Train dept representative(s) in how to monitor water temperatures - Effective	1 x Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	3 = 3	n/a
Score and Control Measure Notes. Low risk. Risk remains low.									
Health and Safety	Entanglement or injury caused by contact with moving machinery Improper use of machines	Volunteers, Staff & Contractors	1) CRITICAL - Engineering: Guards fitted to machinery as appropriate and where practicable - Effective 2) CRITICAL - Engineering: Machinery to be subjected to regular maintenance and inspection - Effective 3) CRITICAL - Administrative: No loose fitting clothing or jewellery to be worn - Effective 4) CRITICAL - Administrative: Only approved competent users to operate machines - Effective 5) CRITICAL - Administrative: All machine users to be inducted in the use of the facility - Effective 6) CRITICAL - Administrative: Safety signage to be displayed throughout the area - Effective 7) CRITICAL - Administrative: Workshop equipment and tasks fully risk assessed - Effective 8) CRITICAL - PPE: Wearing of safety footwear and eyewear is mandatory - Effective 9) CRITICAL - PPE: Eyewash bottles and an eye wash station are installed in the building - Effective	2 x Medium - Risk to be minimised and controlled so far as is reasonably practical.	5 = 10	1) Engineering: Implementation of an asset management plan to oversee equipment - Effective 2) Administrative: Introduce a housekeeping inspection regime - Effective 3) Administrative: Introduce a workshop manager to oversee the facility - Effective	1 x Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	5 = 5	n/a



Gloucestershire Warwickshire Steam Railway Plc
Risk Assessment for Use of The Goods Shed - Loco Dept Welfare Building - Steam Loco

Type	Hazard Cause	Persons Affected	Control Measures	L Overall	S T	Additional Control Measures	L Overall	S T	Owner/Action
Health and Safety	Electrocution Contact with live electrical equipment	Volunteers, Staff & Contractors	1) CRITICAL - Engineering: All machines to undergo fixed wiring tests - Effective 2) CRITICAL - Engineering: PAT testing of all portable equipment - Effective 3) CRITICAL - Engineering: Built to current IEE Regs and installed and tested by approved contractors - Effective 4) CRITICAL - Administrative: Electrical hazards covered in volunteer induction - Effective 5) CRITICAL - Administrative: Only competent and certified persons to work on electrical equipment. - Effective	1 x 3 = 3 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	3	1) Administrative: Consider introducing a lock out / tag out system when working on electrical equipment. - Effective	1 x 3 = 3 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	3	n/a
Score and Control Measure Notes. Risk is low and manageable. No additional measures identified at this time.									
Health and Safety	Injury due to contact with moving vehicles (road & rail) Impact by moving vehicles whilst entering or leaving the building	Volunteers, Staff & Contractors	1) CRITICAL - Administrative: Road speed and railway speed restrictions in place. 5 mph and 10 mph respectively. - Effective 2) CRITICAL - Administrative: Induction process to highlight risk for all users - Effective 3) CRITICAL - Administrative: Maintain extra care when moving vehicles on the unloading road due to the potential of impact with pedestrians. - Effective 4) CRITICAL - Administrative: Maintain extra care when vehicles enter the shed area due to the potential of staff working in these areas and possible noise hazards reducing awareness. - Effective	2 x 5 = 10 Medium - Risk to be minimised and controlled so far as is reasonably practical.	10	1) Engineering: Consider erecting protective barriers - Effective 2) Administrative: Consider additional warning signage - Effective 3) Administrative: Shunter training to be updated to address new risks in this area - Effective	1 x 5 = 5 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	5	n/a
Score and Control Measure Notes. High score due to potential injury. Risk considerably reduced. Barriers rejected as thought likely to cause more issues than they solve. Long term plan to relocate coal and ash facility to further reduce vehicle movements.									
Health and Safety	Contamination from Chemicals Contact with spilled materials	Volunteers, Staff & Contractors	1) CRITICAL - Administrative: All COSHH materials to be risk assessed - Effective 2) CRITICAL - Administrative: COSHH materials to be stored appropriately - Effective 3) CRITICAL - Administrative: Management and disposal of machine lubricants - Effective 4) CRITICAL - PPE: Wear suitable PPE as appropriate - Effective	2 x 3 = 6 Medium - Risk to be minimised and controlled so far as is reasonably practical.	6	1) Administrative: Train users in COSHH awareness - Effective	1 x 3 = 3 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	3	n/a
Score and Control Measure Notes. Medium risk Risk reduced.									
Health and Safety	Deafness caused by noise Machinery noise	Volunteers, Staff & Contractors	1) CRITICAL - PPE: Appropriate PPE to be worn as required. - Effective	1 x 1 = 1 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	1	1) Engineering: Carry out a noise survey - Effective	1 x 3 = 3 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	3	



Gloucestershire Warwickshire Steam Railway Plc
Risk Assessment for Use of The Goods Shed - Loco Dept Welfare Building - Steam Loco

Type	Hazard Cause	Persons Affected	Control Measures	L Overall	S Overall	T Overall	Additional Control Measures	L Overall	S Overall	T Overall	Owner/Action
Score and Control Measure Notes.											
No current controls in place other than PPE. Machinery noise is believed to be low.											
Score remains the same.											

COSHH Assessments

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



Appendix



Reference: UI-44313-782
Building South Side -



Reference: UI-44313-268
Building West Side -



Gloucestershire Warwickshire Steam Railway Plc
Risk Assessment for Use of The Goods Shed - Loco Dept Welfare Building - Steam Loco



Reference: UI-44313-178
Changing Rooms -



Reference: UI-44313-439
Electrical Distribution Box -



Gloucestershire Warwickshire Steam Railway Plc
Risk Assessment for Use of The Goods Shed - Loco Dept Welfare Building - Steam Loco



Reference: UI-44313-132
Eye Wash Station -



Reference: UI-44313-975
Fire Extinguishers and Alarm Points -



Reference: UI-44313-991
Fire System Panel -



Reference: UI-44313-279
First Aid & Burns Kit -



Reference: UI-44313-403
Gas Boiler -



Reference: UI-44313-217
Gas Main and Isolation Valve -



Gloucestershire Warwickshire Steam Railway Plc
Risk Assessment for Use of The Goods Shed - Loco Dept Welfare Building - Steam Loco



Reference: UI-44313-831
Fire Alarm and Notice -



Reference: UI-44313-600
Mess Room Kitchen -



Gloucestershire Warwickshire Steam Railway Plc
Risk Assessment for Use of The Goods Shed - Loco Dept Welfare Building - Steam Loco



Reference: UI-44313-570
Showers and Toilets -



Reference: UI-44313-525
Stairs and Handrails -



Gloucestershire Warwickshire Steam Railway Plc
Risk Assessment for Use of The Goods Shed - Loco Dept Welfare Building - Steam Loco



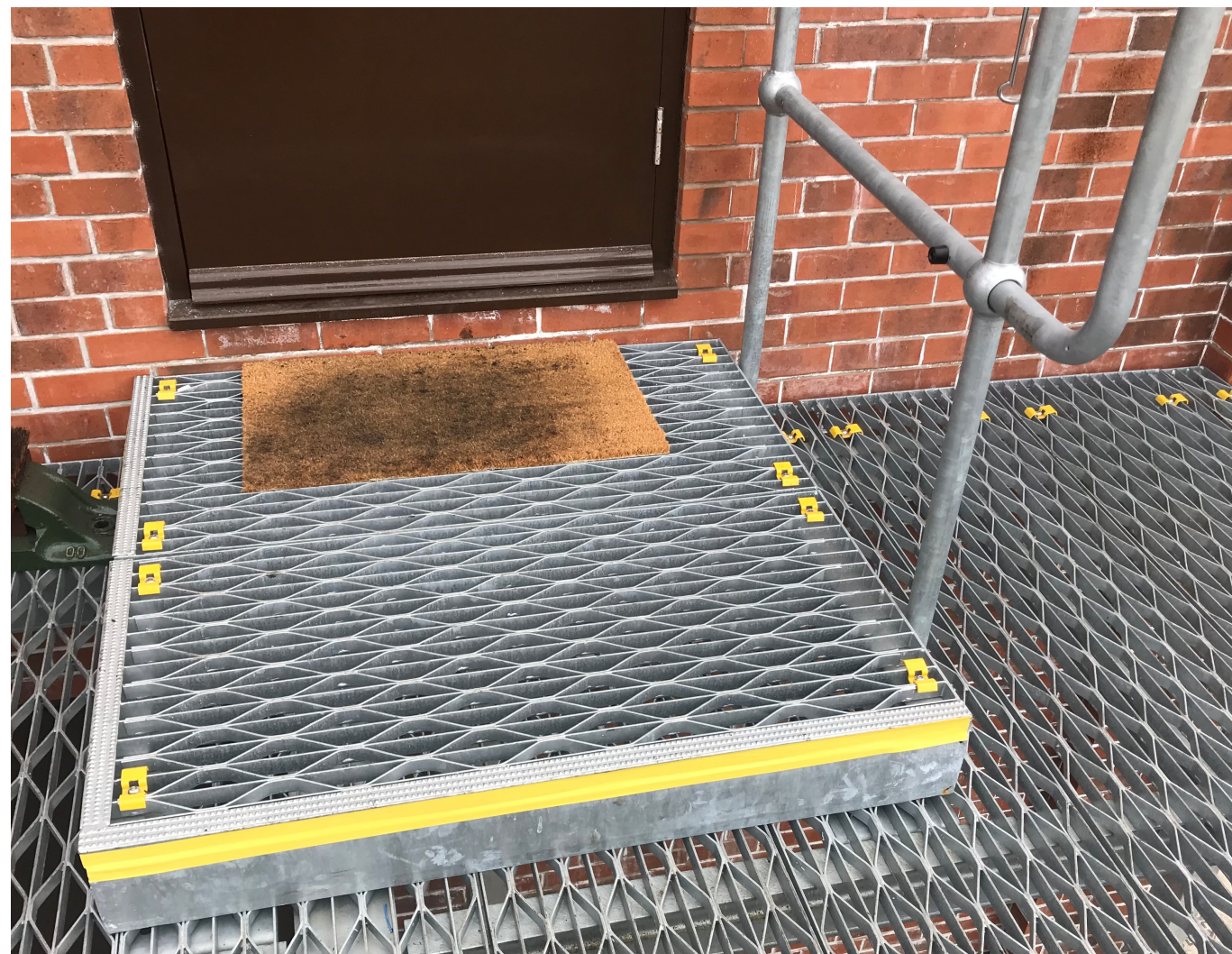
Reference: UI-44313-210
Upstairs Washing Area -



Reference: UI-44313-653
Wash Room Sinks -



Gloucestershire Warwickshire Steam Railway Plc
Risk Assessment for Use of The Goods Shed - Loco Dept Welfare Building - Steam Loco



Reference: UI-44314-330
Outside step -