# 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<br>Cause | Persons Affected | Control Measures | L S T<br>Overall | Additional Control Measures | L S T<br>Overall | Owner/Action |
|---|---|---|---|---|---|---|---|
| Health and Safety | Slips/Trips/Falls<br>Various trip hazards | Volunteers, Staff & Contractors | 1) CRITICAL - Engineering: Handrails on all stairways and elevated areas - Effective<br>2) CRITICAL - Engineering: Suitable task and emergency lighting in all areas - Effective<br>3) CRITICAL - Engineering: Exterior walkways concreted - Effective<br>4) CRITICAL - Administrative: Clear and Tidy Work Area - Effective<br>5) CRITICAL - Administrative: Regular cleaning regime in all areas by professional contractors and volunteers - Effective<br>6) CRITICAL - Administrative: Emergency lighting testing schedule in place. - Effective<br>7) CRITICAL - PPE: First aid kits are provided - Effective | 2 x 2 = 4<br>Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level. | 1) Engineering: Users to consider wearing their own shower flip-flops. - Effective<br>2) Engineering: Anti-Slip treads fitted to the internal staircase. - Effective<br>3) Administrative: Install floor markings for potential trip hazards - Effective | 2 x 2 = 4<br>Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level. | n/a |
| **Score and Control Measure Notes.**<br>Risk score medium due to volume of users, number of stairs, changing and shower facilities.<br>Risk score remains the same. | | | | | | | |
| Health and Safety | Natural Gas<br>Loss of containment causing leaks and porentuial fire/explosion. | Volunteers, Staff & Contractors | 1) CRITICAL - Engineering: Gas system instaled and tested in line with current regulations - Effective<br>2) CRITICAL - Engineering: Protective barrier in place for external pipe line - Effective<br>3) CRITICAL - Engineering: Gas boiler installed in separate room from normal activities - Effective<br>4) CRITICAL - Engineering: Main isolation valve easily accessible and good signage - Effective<br>5) CRITICAL - Administrative: Gas systems well identified and labelled - Effective<br>6) Administrative: Gas leak can be detected by smell - Effective<br>7) CRITICAL - Administrative: No smoking allowed inside the building - Effective<br>8) CRITICAL - Administrative: Gas equipment has a routine testing regime in place. - Effective | 2 x 5 = 10<br>Medium - Risk to be minimised and controlled so far as is reasonably practical. | 1) Engineering: Install a gas detection system - Effective<br>2) Engineering: Introduce an Asset Management plan to oversee the equipment - Effective<br>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 4 = 8<br>Medium - Risk to be minimised and controlled so far as is reasonably practical. | n/a |
| **Score and Control Measure Notes.**<br>Risk medium due to potential impact.<br>Risk score remains the same. | | | | | | | |
| Health and Safety | Fire<br>Combustion of flammable materials | Volunteers, Staff & Contractors | 1) CRITICAL - Engineering: Fire Risk Certificate in place for the building - Effective<br>2) CRITICAL - Engineering: Fire Risk Assessment in place with appropriate actions - Effective<br>3) CRITICAL - Engineering: Illuminated escape signs in place - Effective<br>4) CRITICAL - Engineering: Fire/Smoke detector system in place - Effective<br>5) CRITICAL - Engineering: Various types of fire extinguishers and blankets in place - Effective<br>6) CRITICAL - Engineering: Fire doors fitted throughout the building - Effective<br>7) CRITICAL - Administrative: Marked escape routes in place - Effective<br>8) CRITICAL - Administrative: Regular testing and recording of systems in place - Effective<br>9) CRITICAL - Administrative: Cover fire risks in induction training - Effective<br>10) CRITICAL - Administrative: All volunteers to undertake GWSR Fire Awareness training. - Effective<br>11) CRITICAL - PPE: A burns kit is provided - Effective | 2 x 3 = 6<br>Medium - Risk to be minimised and controlled so far as is reasonably practical. | 1) Engineering: Install gas detection systems - Effective | 2 x 3 = 6<br>Medium - Risk to be minimised and controlled so far as is reasonably practical. | n/a |

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

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

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

| Type | Hazard<br>Cause | Persons<br>Affected | Control Measures | L S T<br>Overall | Additional Control Measures | L S T<br>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 -



**Reference: UI-44313-178**
Changing Rooms -




**Reference: UI-44313-439**
Electrical Distribution Box -



**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 -




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



**Reference: UI-44313-600**
Mess Room Kitchen -



**Reference: UI-44313-570**
Showers and Toilets -



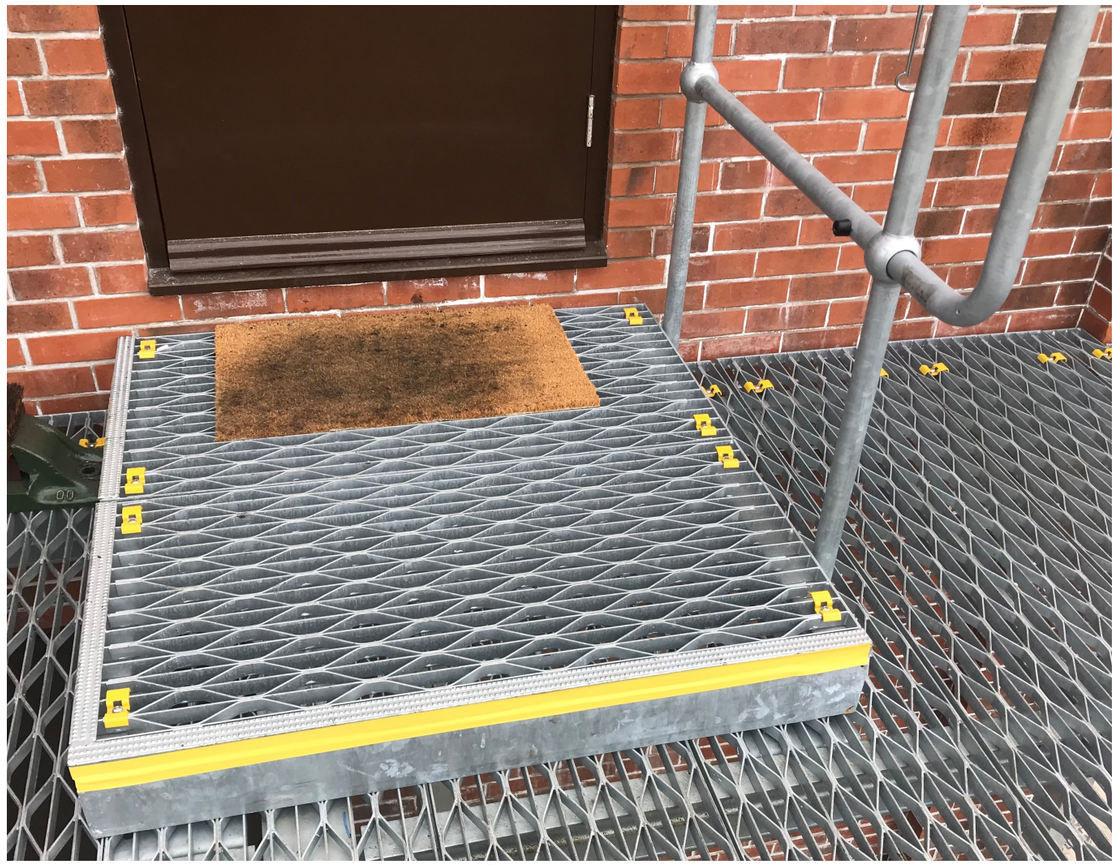
**Reference: UI-44313-525**
Stairs and Handrails -



**Reference: UI-44313-210**
Upstairs Washing Area -



**Reference: UI-44313-653**
Wash Room Sinks -



**Reference: UI-44314-330**
Outside step -