Gloucestershire Warwickshire Steam Railway Plc
Risk Assessment for Steam locomotive watering - filling of loco tenders or tanks. - Steam Loco

Risk Assessment - Steam locomotive watering - filling of loco tenders or tanks.

Filling of tenders or pannier/saddle/side/well tanks

Reference No: STE-44567-14
Version No: 2
Assessment Approver: Ian Butler

Department: Steam Loco
Date Of Assessment: 06 January 2022
Review Due Before: 28 March 2027
Lead Assessor: Ian Butler
Team: John Cruxon

Watering of steam locomotives

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 Fall from height, manual handling, slips, trips and falls	Volunteers & Staff	1) Elimination: In icy weather wash area with pep pipe and then sweep off on loco - Effective 2) CRITICAL - Engineering: Secure equipment when not in use with the chains or locking pins as provided - Effective 3) CRITICAL - Engineering: Anti-vacuum valves to be in good working order so that the arm empties as much water as possible. - Effective 4) CRITICAL - Engineering: The locomotive must be braked or secured in some fashion so that it can not move. - Effective 5) CRITICAL - Administrative: Those undertaking the task must be trained and competent - Effective 6) CRITICAL - Administrative: Be aware of own physical limitations - Effective 7) CRITICAL - Administrative: Use correct posture and good lifting techniques - Effective 8) CRITICAL - Administrative: Be aware of stiff valves and the presence of water hammer. - Effective 9) CRITICAL - Administrative: Those undertaking the task must have completed the GWSR Working at Height training. - Effective 10) CRITICAL - Administrative: Other staff and the general public to be moved away from the work area before the task commences. - Effective 11) CRITICAL - Administrative: Staff to be trained to maintain a safe working position and to release the water bag if they are losing control of it. Maintain three points of contact with the loco. - Effective 12) CRITICAL - Administrative: Staff must take care not to position themselves in the line of the swing of the arm of the water column. - Effective 13) CRITICAL - Administrative: Before starting the task ensure that the running boards are clear, handrails are in good condition, there are no oil deposits or other slip hazards, all trip hazards have been removed, no sand, ash or other materials are on surfaces that would hinder grip. - Effective 14) CRITICAL - Administrative: Staff must be aware of the COSHH implications for the water treatment chemicals used and should avoid splashes and eye contact. - Effective 15) CRITICAL - Administrative: Precautions should be in place to avoid the potential presence of Legionella. - Effective 16) Administrative: Those undertaking the task must have completed the GWSR Manual Handling training. - Effective 17) CRITICAL - Administrative: 1) Administrative: The operating chain on the Toddington yard parachute tank has a tendency to snatch when the water is shut off. Hold the chain at arms length to avoid impact to the face or body. - Effective	2 x 4 = 8 Medium - Risk to be minimised and controlled so far as is reasonably practical.	None	1 x 4 = 4 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	n/a

Score and Control Measure Notes.
Risk is medium due to potential impact of a fall.
Risk would be reduced with additional training.

COSHH Assessments

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