



Gloucestershire Warwickshire Steam Railway Plc
Risk Assessment for Removing, Repairing and Testing of Carriage Toilet Water Tanks - Carriage and Wagon

**Risk Assessment - Removing, Repairing and Testing
of Carriage Toilet Water Tanks**

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Department: Carriage and Wagon
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Lead Assessor: Roger Exton
Team:

Draining down and removal of water tank

Type	Hazard Cause	Persons Affected	Control Measures	L Overall	S	T	Additional Control Measures	L Overall	S	T	Owner/Action
Health and Safety	Harm caused by use of tools Improper use of tools	Volunteers & Staff	1) CRITICAL - Elimination: Only use tools for the purpose for which they were designed - Effective 2) CRITICAL - Administrative: Follow RA for safe use of tools in C&W - Effective	2 x 1 = 2 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.			None	2 x 1 = 2 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.			n/a
Health and Safety	Sharp edges and points Pipework ends	Volunteers & Staff	1) CRITICAL - Engineering: Use tools as designed - Effective 2) CRITICAL - Administrative: Follow RA for safe use of tools in C&W - Effective	2 x 1 = 2 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.			None	2 x 1 = 2 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.			n/a
Health and Safety	Hand and other personal injuries Contact with tools and sharp edges	Volunteers & Staff	1) CRITICAL - Engineering: Be competent at working with pipework - Effective 2) CRITICAL - Engineering: Correct use and training in the use of tools - Effective 3) CRITICAL - Administrative: Follow the hand tool RA - Effective	2 x 1 = 2 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.			None	2 x 1 = 2 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.			n/a
Health and Safety	Manual handling Injuries Poor manual handling	Volunteers & Staff	1) CRITICAL - Engineering: Be aware of own limitations - Effective 2) CRITICAL - Engineering: Only carry what is easily transported - Effective 3) CRITICAL - Administrative: See RA manual handling in carriage and wagon - Effective 4) CRITICAL - PPE: Use correct PPE - Effective	2 x 2 = 4 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.			1) Administrative: Undertake manual handling training - Effective	2 x 2 = 4 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.			n/a



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Health and Safety	Slips, trips and falls Wet floor	Volunteers & Staff	1) CRITICAL - Engineering: Keep area tidy, use good housekeeping techniques - Effective 2) CRITICAL - Engineering: Ensure all hoses and water containers are positioned so as not to cause a trip hazard - Effective 3) CRITICAL - Administrative: Follow RA for slips, trips and falls in C and W workshops and sidings - Effective	2 x 1 = 2 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.			None	2 x 1 = 2 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.			n/a
Health and Safety	Water leaking whilst draining a water tank Drain hose becomes detached	Volunteers & Staff	1) Engineering: Consider draining any water outside - Effective 2) CRITICAL - Engineering: Ensure all hoses and containers are adequate for the amount and pressure of water likely to be found - Effective 3) Engineering: Be aware the main water tank in the roof may also need draining - Effective	2 x 1 = 2 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.			None	2 x 1 = 2 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.			n/a
Health and Safety	Injury caused by using solder and flux during repairs Burns and or damage caused by a naked flame and/or fume inhalation	Volunteers & Staff	1) CRITICAL - Administrative: Check the COSHH register re flux - Effective 2) CRITICAL - Administrative: See RA re use of gas torches - Effective	2 x 1 = 2 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.			None	2 x 1 = 2 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.			n/a
Health and Safety	Injury or damage caused by using solder and flux during repairs Improper use of or failure of equipment	Volunteers & Staff	1) CRITICAL - Engineering: Have a fire extinguisher to hand - Effective 2) CRITICAL - Engineering: Always work in a well-ventilated area - Effective	2 x 1 = 2 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.			None	2 x 1 = 2 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.			n/a
Health and Safety	Water leaks during testing Faulty water tank and/or pipework	Volunteers & Staff	1) CRITICAL - Engineering: Testing should be carried out in a suitable area with the means to control any water leakage - Effective	2 x 1 = 2 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.			None	2 x 1 = 2 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.			n/a



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Health and Safety	Illness, risk of legionella Contact with contaminated water	Volunteers & Staff	1) CRITICAL - Administrative: Check RA legionella (Toilets and Taps) - Effective	2 x 4 = 8	None			2 x 4 = 8	n/a		
				Medium - Risk to be minimised and controlled so far as is reasonably practical.				Medium - Risk to be minimised and controlled so far as is reasonably practical.			
Health and Safety	Exposure to asbestos Carriages may still contain asbestos near or around tanks as insulation	Volunteers & Staff	1) CRITICAL - Engineering: If any asbestos is found or suspected, stop work and seek advice - Effective 2) CRITICAL - Engineering: Barrier off area - Effective 3) CRITICAL - Administrative: Check the asbestos register before starting work - Effective 4) CRITICAL - Administrative: Be aware of signage for existing asbestos - Effective	2 x 5 = 10	1) Administrative: Undertake asbestos awareness training - Effective			2 x 5 = 10	n/a		
				Medium - Risk to be minimised and controlled so far as is reasonably practical.				Medium - Risk to be minimised and controlled so far as is reasonably practical.			
Health and Safety	Injury from old and new pipework Sharp edges on exposed pipework	Volunteers & Staff	1) CRITICAL - Engineering: New pipework should be clamped or clipped to support and prevent movement - Effective 2) CRITICAL - Engineering: Sharp ends should be filed to remove any sharp edges - Effective	2 x 1 = 2	None			2 x 1 = 2	n/a		
				Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.				Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.			

COSHH Assessments

There are no COSHH assessments associated with this risk assessment.

Ends