Risk Assessment - Steam locomotive disposal

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Department: Steam Loco
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Steam loco disposal

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 Slips, trips, falls, strains, burns, scalds, crush, manual handling, falls from height etc.	Volunteers & Staff	1) Elimination: Use blue mobile staging across buffers when ashing smokebox - see attached guide for platform use. - Effective 2) CRITICAL - Engineering: During hours of darkness ensure that the pit and yard lighting is switched on. - Effective 3) CRITICAL - Engineering: Damper or hopper doors are not to be opened until staff have ascertained that there is nobody in the pit unless the task being carried out specifically requires the doors to be open.. - Effective 4) CRITICAL - Engineering: When using water hoses to wash away ash the jet must point away from the person carrying out the task and others in the area. - Effective 5) CRITICAL - Engineering: Be aware of the potential of splash back if water hits an object. - Effective 6) CRITICAL - Engineering: The locomotive handbrake must be applied or chocks applied to the wheels so that the loco can not move. - Effective 7) CRITICAL - Administrative: Any loco movements must be carried out by trained, competent staff in accordance with the GWSR Rule Book. - Effective 8) CRITICAL - Administrative: All staff involved must be trained, experienced and competent. - Effective 9) CRITICAL - Administrative: All staff must have undertaken the GWSR Working at Height training. - Effective 10) CRITICAL - Administrative: Be aware of the danger of working around an open pit. - Effective 11) 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 12) CRITICAL - Administrative: Ensure no trip or slip hazards are present before the task starts. - Effective 13) CRITICAL - Administrative: Lone Working is not allowed. - Effective 14) CRITICAL - Administrative: Staff must be instructed to avoid where possible working directly in the area below the ash fall so as not to be put at risk of hot embers and ash falling on them. - Effective 15) CRITICAL - Administrative: The loco can only move once the crew have ascertained that there are no persons underneath, working on top of or at risk or being struck or entangled. - Effective 16) CRITICAL - Administrative: Be aware of own physical limitations. - Effective 17) CRITICAL - Administrative: Adopt a correct posture when lifting and be aware of the heavy weight of some items. - Effective 18) CRITICAL - Administrative: Seek assistance when lifting heavy items. - Effective 19) CRITICAL - Administrative: All staff must have undertaken the GWSR Confined Spaces training. - Effective 20) CRITICAL - Administrative: Crew on the footplate are to exercise caution operating dampers when there is a crew member underneath the loco. - Effective 21) CRITICAL - Administrative: Crew on the footplate are NOT to operate the injectors when there is a crew member underneath the loco. - Effective CONTINUES ON NEXT PAGE	2 x 4 = 8 Medium - Risk to be minimised and controlled so far as is reasonably practical.	1) Engineering: Consider using barriers around the exposed pit edges. - Effective 2) Administrative: Consider providing Manual Handling training. - Effective 3) PPE: Consider wearing respiratory protection. - Effective 4) PPE: Consider wearing head protection when working underneath the loco. - Effective	2 x 4 = 8 Medium - Risk to be minimised and controlled so far as is reasonably practical.	n/a

Type	Hazard Cause	Persons Affected	Control Measures	L S T Overall	Additional Control Measures	L S T Overall	Owner/Action
			22) CRITICAL - PPE: A first aid kit must be available on the loco and in the Goods Shed. - Effective 23) CRITICAL - PPE: Overalls of a flame retardant material to be worn to prevent burns. - Effective 24) CRITICAL - PPE: Gloves with gauntlet cuffs to be worn. - Effective 25) CRITICAL - PPE: Eye protection must be worn. - Effective				

Score and Control Measure Notes.
Risk is medium due to potential injury from a fall or entanglement.
Risk remains medium.

COSHH Assessments

There are no COSHH assessments associated with this risk assessment.

Reference Documents

• Use of Smokebox Access Platform - Document detailing the correct use and maneuvering of the mobile platform used to access smokeboxes.
• Use of Smokebox Access Platform - Instructions for the safe use and manouvering of the smokebox access platforms. https://gwsrt.sharepoint.com/steam/Shared Documents/Safety Info/Notices/Use of Smokebox Access Platforms.docx

Ends