Risk Assessment - Lighting up, warming and steam raising fires

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Assessment Approver: Kevin 'Kev' Jarvis

Department: Steam Loco
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Lead Assessor: Ian Butler
Team: Kevin Jarvis

Lighting up and warming fires

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, burns, scalds, strains, impalements, splinters.	Volunteers & Staff	1) CRITICAL - Engineering: Clean and tidy the work area before the task begins so as to remove slip and trip hazards. - Effective 2) CRITICAL - Engineering: If using ladders, steps, scaffold or other working at height equipment it must be checked, inspected and 'in-ticket' before use. - Effective 3) Engineering: Once the boiler has reached sufficient pressure the pep-pipe can be used for cleaning and washing down the footplate, as well as keeping coal dust down. - Effective 4) CRITICAL - Engineering: When the boiler is under pressure the water level gauge glass is to have the gauge frame protector in position in case of tube breakage. - Effective 5) CRITICAL - Engineering: Report any steam leakages immediately and use judgement by consultation as whether or not the loco is fit for service. . - Effective 6) CRITICAL - Administrative: Lone Working is not allowed - Effective 7) CRITICAL - Administrative: Those undertaking the task must be trained and competent - Effective 8) CRITICAL - Administrative: Be aware of own physical limitations - Effective 9) CRITICAL - Administrative: Those undertaking the task must have completed the GWSR Working at Height training. - Effective 10) CRITICAL - Administrative: Ensure that flammable liquids do not spill onto clothing, onto the footplate or come into contact with any hot surface. - Effective 11) CRITICAL - Administrative: Be aware of the COSHH implications of flammable liquids. - Effective 12) CRITICAL - Administrative: A first aid kit must be available on the loco and in the Goods Shed. - Effective 13) CRITICAL - Administrative: Adopt a correct posture when lifting. - Effective 14) Administrative: Apply Barrier Cream before starting the task. - Effective 15) CRITICAL - Administrative: Avoid contact with flammable liquids, oils and greases. - Effective 16) CRITICAL - Administrative: Ensure that the footplate is clean and tidy with no hazards before starting the task. - Effective 17) CRITICAL - Administrative: Ensure that there is sufficient water in the boiler before the fire is lit. - Effective 18) CRITICAL - Administrative: Sight-level gauges must be observed regularly and action taken if water levels become low. - Effective 19) CRITICAL - Administrative: Footplate crew must be trained in how to shut off the gauge frame in case of a gauge glass breakage. - Effective 20) CRITICAL - Administrative: Be aware of hot surfaces and the potential for burns as the locomotive is brought into steam. - Effective 21) CRITICAL - Administrative: Those undertaking the task must have completed the GWSR Confined Spaces training. - Effective 22) CRITICAL - Administrative: Be aware of the presence of splinters and nails within the lighting up wood material. - Effective 23) CRITICAL - PPE: Safety footwear, overalls and gloves must be worn. - Effective CONTINUES ON NEXT PAGE	2 x 4 = 8 Medium - Risk to be minimised and controlled so far as is reasonably practical.	1) Administrative: Consider Manual Handling training - Effective 2) PPE: Consider wearing a bump hat to avoid injury. - Effective	2 x 4 = 8 Medium - Risk to be minimised and controlled so far as is reasonably practical.	n/a

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			24) CRITICAL - PPE: Overalls should be made of a fire retardant material. - Effective 25) CRITICAL - PPE: Fire fighting equipment should be available. - Effective				

Score and Control Measure Notes.
Risk is medium due to the potential for a fall or fire.
Risk remains medium.

COSHH Assessments

The following COSHH assessments are applicable to this risk assessment:

- COSHH-43998-30 - Gasoil (Red Diesel)
- COSHH-43998-83 - Kerosene

Ends