## Risk Assessment - Cleaning & Maintenance of Steam Locomotive Fireboxes

Reference No: STE-44568-45
Version No: 3
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Department: Steam Loco
Date Of Assessment: 07 January 2022
Review Due Before: 10 September 2029
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### Cleaining and maintenance of fireboxes

| Type | Hazard<br>Cause | Persons Affected | Control Measures | L S T Overall | Additional Control Measures | L S T Overall | Owner/Action |
|---|---|---|---|---|---|---|---|
| Health and Safety | Personal injury<br>Crush, strain, slips, trips or falls, dust inhalation, confined spaces, manual handling and heat etc. | Volunteers & Staff | 1) CRITICAL - Elimination: 'Not to be moved board' must be displayed - Effective<br>2) CRITICAL - Engineering: Provide lighting so that the workers can clearly see the work area. - Effective<br>3) CRITICAL - Engineering: Firebox doors must be locked in the open position if there is a risk of them closing on their own or being accidentally closed. - Effective<br>4) CRITICAL - Administrative: Those undertaking the task must be experienced and/or supervised. - Effective<br>5) CRITICAL - Administrative: Lone Working is not allowed - Effective<br>6) CRITICAL - Administrative: Be aware of own physical limitations and the weight of doors and grates etc. - Effective<br>7) CRITICAL - Administrative: A Confined Space Entry Attendant must be adjacent to the work area and vigilant at all times someone is in the firebox and the full Confined Space Working arrangements must be in place. - Effective<br>8) CRITICAL - Administrative: The firebox must be cooled in line with confined space access requirements before entry is allowed. - Effective<br>9) CRITICAL - Administrative: A footplate attendant must be present at all times if a rocking grate is present to ensure that it is not operated accidentally. - Effective<br>10) CRITICAL - Administrative: Workers should take regular breaks and be rehydrated. - Effective<br>11) CRITICAL - Administrative: All those involved in the task must have undertaken the GWSR Confined Space training. - Effective<br>12) CRITICAL - PPE: Respiratory protection must be worn. - Effective<br>13) CRITICAL - PPE: Safety footwear, safety eye-wear, overalls and gloves must be worn. - Effective | 2 x 3 = 6<br>Medium - Risk to be minimised and controlled so far as is reasonably practical. | 1) Elimination: Consider using forced ventilation - Effective<br>2) PPE: Consider wearing a safety harness and rescue lifeline. - 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.**
Risk is medium.
Risk is much reduced if extra safety measures employed.

## COSHH Assessments

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