Risk Assessment - Construction of Platforms and associated works

Reference No: CON-44433-79
Version No: 5
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Department: Construction and Maintenance
Date Of Assessment: 25 August 2021
Review Due Before: 23 March 2029
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Construction of platforms and similar work

Type	Hazard Cause	Persons Affected	Control Measures	L S T Overall	Additional Control Measures	L S T Overall	Owner/Action
Health and Safety	Injury caused by work activities whilst building platforms Cuts, bumps, bruises and other such injuries caused predominantly by manual handling	Volunteers & Staff	1) CRITICAL - Engineering: Use suitable access equipment if working at height - Effective 2) CRITICAL - Engineering: Stack and store work materials appropriately so that they can not fall and cause injury - Effective 3) CRITICAL - Engineering: Lift platform slabs using mechanical aids - Effective 4) CRITICAL - Engineering: Use barriers to segregate work areas as required - Effective 5) CRITICAL - Administrative: Take account of the direction of the wind to minimise the issue of dusts blowing around - Effective 6) CRITICAL - Administrative: All tools to be checked before work starts to ensure they are fit for purpose. - Effective 7) CRITICAL - Administrative: Take regular rest periods to avoid fatigue - Effective 8) CRITICAL - Administrative: Beware of items becoming dislodged and falling if working at height. Ensure edge protection is provided. - Effective 9) CRITICAL - Administrative: Use best practice lifting techniques and be aware of personal limitations when lifting - Effective 10) CRITICAL - Administrative: Be aware of moving vehicles - Effective 11) CRITICAL - Administrative: Touch lookouts to be used when trains are running and noisy tools are in use so that workers are aware of approaching hazards. - Effective 12) CRITICAL - Administrative: A safe system of work (possession/line block) should be taken if working on or near the track. - Effective 13) CRITICAL - PPE: Safety footwear and gloves must always be worn - Effective 14) PPE: Eye protection to be worn when dusts are present - Effective 15) CRITICAL - PPE: Hard hats to be worn when mechanical devices are being used and when items are being lifted. - Effective	2 x 2 = 4 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	1) Engineering: Consider damping down the work area to avoid dust clouds - Effective 2) Administrative: Be aware of others entering the work area and stop work if required - Effective 3) Administrative: Use Fork Lift Trucks and other certified lifting equipment as required - Effective 4) PPE: Wear dust masks if quantities of dust are airborne - Effective 5) PPE: Consider wearing hearing protection if using power tools - Effective 6) PPE: Consider wearing a hard hat if others working above - Effective 7) PPE: Consider wearing anti-vibration gloves if using vibrating tools - Effective	2 x 2 = 4 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	n/a

Score and Control Measure Notes.
Low risk if control measures are followed and staff are aware of their own limitations.
Risk score remains low.

Health and Safety	Fall from Height Risk of falling from platform edge or into pits	Volunteers & Staff	1) CRITICAL - Engineering: Erect barriers where practical in work areas - Effective 2) CRITICAL - Engineering: Use Scaffolding or other approved working at height equipment where required - Effective 3) CRITICAL - Engineering: Ensure that all pits and troughs have suitable covers in place and secure - Effective	2 x 5 = 10 Medium - Risk to be minimised and controlled so far as is reasonably practical.	1) Engineering: Paint platform edging slabs white as soon as possible after laying - Effective 2) Administrative: Be aware of sloping platform ends - Effective	2 x 5 = 10 Medium - Risk to be minimised and controlled so far as is reasonably practical.	n/a

Score and Control Measure Notes.
Medium risk due to potential injury if falling from a platform edge.
Risk score remains the same.

Type	Hazard Cause	Persons Affected	Control Measures	L S T Overall	Additional Control Measures	L S T Overall	Owner/Action
Health and Safety	Electrocution Contact with live parts of power tools or exposed cables	Volunteers & Staff	1) CRITICAL - Engineering: Temporary cables to be covered and protected - Effective 2) CRITICAL - Engineering: Beware of existing installed cabling - Effective 3) CRITICAL - Engineering: RCD's to be fitted to supplies for power tools - Effective 4) CRITICAL - Engineering: Survey for buried cables if excavation is required - Effective 5) CRITICAL - Administrative: All power tools to be PATS tested - Effective	2 x 5 = 10 Medium - Risk to be minimised and controlled so far as is reasonably practical.	1) Engineering: Use 110V equipment whenever possible. - Effective	2 x 5 = 10 Medium - Risk to be minimised and controlled so far as is reasonably practical.	n/a
Operations	Damage to S&T infrastructure Contact with equipment or workers	Volunteers & Staff	1) CRITICAL - Administrative: Job to be well planned so as not to impact S&T infrastructure - Effective	1 x 2 = 2 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	1) Engineering: Consider putting boards or covers in place over key equipment. - Effective	1 x 1 = 1 Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.	n/a

COSHH Assessments

There are no COSHH assessments associated with this risk assessment.

Ends

Appendix

Image not found.

Reference: UI-44434-100
Slab lifting tool -



Reference: UI-44434-225
Positioning slabs with a FLT -