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Risk Assessment

A generic risk assessment for loading and unloading using a Lorry Mounted Crane (LLC) is set out below. To be read in conjunction with our generic method statement.

Identification of hazard	Residual risk	Control measure to avoid or minimise risk	Residual risk
People in area • Struck by ▪ Lorry loader boom	High	➢ Public excluded from site and to establish effective exclusion zone in conjunction with site contact	Low
▪ Lorry loader chassis	High	➢ All operators to wear Hi Viz	Low
▪ Moving load	High	➢ Ensure lift team are fully briefed on requirement to keep clear of load during lift	Low
▪ Swing up stabilisers	High	➢ Ensure continual stabiliser observations to ensure the stabilisers are stowed securely as per LLC Operator Manual	Low
• Failing to use remote controls safely	High	➢ Operator to follow safe working methods for use of remote controls in accordance with the Operators Manual ➢ Ensure LLC Remote Control is isolated when not in use ➢ Never walk and use LLC remote control	Low
Lorry loader stability • Ground unable to support lorry loader	Medium	➢ Establish presence of voids or underground services with site ➢ Assess ground and required size of stabilizer mats ➢ Crane supervisor to check mats supplied match those specified in method statement	Low
• Lorry loader overloaded	High	➢ Ensure accurate weight of load is known ➢ LLC operator to have valid ALLMI/CPCS card	Low
	Medium		Low

• Lorry loader failure		➢ Ensure LLC has current report of thorough examination	
Movement of load • Load collides with structure • Load collides with other cranes, excavators etc. • Load/lorry loader boom comes within arcing distance of overhead lines • Persons hand crushed/trapped by load	Medium High High Medium	➢ Tag line attached to load to control ➢ Establish effective exclusion zone in conjunction with site contact ➢ Establish presence of overhead powerlines ➢ If present, arrange isolation or position lorry loader 10m + the full length of the boom + any protruding load, measured along the ground at a position estimated by eye to be directly under the outermost conductor ➢ Tag line to be used ➢ Gloves to be worn ➢ All slinging to be completed by Slinger/Signaller with valid ALLMI/CPCS card	Low Low Low Low
Suspended load • Load may fall onto person • Loose parts on load may fall	High High	➢ Ensure LLC has current report of thorough examination and pre-use check carried out ➢ Ensure lifting accessories with adequate capacity are selected and have current report of thorough examination and pre-use checks carried out ➢ Inspect load for loose objects prior to lift and secure/remove loose items ➢ All lifting team to wear hard hats	Low Low
Working at height • Person falling from height when attaching or removing slings	High	➢ Ladder for access/egress ➢ Full fall arrest system to be used when working at height	Low
Environmental conditions • High wind causes load to collide with fixed objects	High High	➢ Wind speed to be checked before commencement of lift (using the Beaufort Scale) and to be aborted if above that set out in the LLC Operator Manual (also take into consideration the Sail Effect using the Sail Effect calculation)	Low Low

• Lorry loader becomes unstable		➢ Wind speed to be checked before commencement of lift (using the Beaufort Scale) and to be aborted if above that set out in the LLC Operator Manual (also take into consideration the Sail Effect using the Sail Effect calculation)	
Lone working ➢ Operator could become injured	Medium	➢ Where possible avoid lone working ➢ Ensure operator has up to date contact information for Manager ➢ Ensure operator follows all safe operating procedures	Low