

ELEC-01

Electricity on Site — Risk Assessment

Site-specific. Complete, sign, review. Delete rows that do not apply.

Assessor: _____ Site: _____ Date: _____ Review due: _____

Hazard	Who is harmed and how	Controls required	Further action	Done
Plant or a load contacting an overhead power line	Operator and anyone touching the machine or load. Electrocution, severe burns, death	Assume every overhead line is live. Exclusion zones with barriers and goalposts. Reach plus 9 metres from wooden poles and reach plus 15 metres from steel pylons unless the owner agrees otherwise in writing		
Striking a buried cable	Anyone digging. Arc flash, severe burns, death	Plans, cable avoidance tool and safe digging practice. Hand dig near marked services		
Using 230V tools on site	User. Electrocution, especially in wet conditions	110V centre tapped to earth as standard for site tools. Battery where possible. RCD protection		
Damaged leads, plugs and tools	User. Shock, fire	Visual check before every use. Formal inspection at intervals justified by risk. Withdraw and label anything damaged		
Working on equipment that has not been isolated	Worker. Electrocution	Isolate, lock off, prove dead with an approved tester, prove the tester before and after		
Wet conditions and standing water	Anyone using electrical equipment. Greatly increased risk	Keep connections out of water. RCDs. Consider stopping work		
Temporary supplies and trailing leads	Everyone on site. Trips, damage, shock	Routed overhead or protected. Never across access routes on the ground		
Untrained person carrying out electrical work	That person and others. Death, fire	Competent persons only. Nobody 'has a go'		
Buried cable damaged but not reported	Anyone later. Delayed fault, fire, electrocution	Report every strike and every suspected strike, however minor it looks		

Assessor	Reviewed by	Date	Review due

Scope and limitations — read before use

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