



RISK ASSESSMENT

ACTIVITY: Working with and around electrics on a construction site.

HAZARDS IDENTIFIED:

Overhead Power lines
Underground services

RISKS:

Electric shock
Secondary effects of an electric shock, including falls from height.
Burns from contact.
Electrical fires
Serious injury
Fatality

SEVERITY RATING:

LIKELIHOOD RATING (severity X likelihood) = 3 X 3

OVERALL RISK RANKING (severity X likelihood) = 9

1 = MINOR

2 = SERIOUS

3 = MAJOR

1 = LOW

2 = MEDIUM

X
3 = HIGH
3

RISK RANKING PRIORITY:

8-9 Unacceptable
4-7 Tolerable
2-3 Adequate
1 Acceptable

RISK SCORE ACTION

(Works must not start until strict controls are in place)
(Prioritise and control action as far as practicable)
(look for possible improvement at next review)
(No further action required review periodically)

CONTROL MEASURES:

Planning

- (a) Refurbishment work must be planned, managed and monitored to ensure that workers are not exposed to risk from electricity.
- (b) Overhead power lines - Any work near electric overhead power lines must be carefully planned and carried out to avoid danger from accidental contact or close proximity to the lines.
- (c) Underground cables - Damage to underground electrical cables can cause fatal or severe injury you must take precautions to avoid danger. These precautions include a safe system of work based on planning, use of plans, cable locating devices and safe digging practices.

CONTROL MEASURES:

- (a) All electrical installations should be checked by a competent, trained electrician, with written evidence provided to site showing inspection and testing has been carried out.
- (b) All power tools and leads etc. to be free from significant external damage and have been checked at least by user as a daily pre-use check.
All portable electrical appliances to be tested/inspected at intervals commonly 6-12 months. Equipment to show evidence of when the next testing is due.
- (c) The manufacturer's information will be observed.
- (d) A permit to work system is operated for all 'live work', and controlled by a competent person.
- (e) All work areas are checked for underground and overhead electricity cables by a competent person.
- (f) Only 110v or battery powered equipment will be used unless special permission is given by the Site Manager. Should 240v equipment have to be used then it must be plugged into an outlet protected by a power breaker of an earth leakage current detection type.

Notes: Electrical work must be carried out by trained and competent electricians only.

REVISED SEVERITY RATING

LIKELIHOOD RATING (severity X Likelihood) = 3 x 1

OVERALL RISK RANKING (severity X Likelihood) = 3

1= MINOR

1=LOW
x

2= SERIOUS

2= MEDIUM

3 = MAJOR

x
3 = HIGH



Head
EN 397

YES



YES



Dust Mask
FFP3

Site Specific



Boots
BS EN 345-1

YES



Gloves
BS EN 388

YES



Hearing
EN 352-1

Site Specific



Eye protection
BS EN Spec 166

YES



ASSESSMENT COMPLETED BY: Neil Gulvin

SIGNED: 

DATE: 27/01/2022

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