

THE BUILDING MAINTENANCE COMPANY RISK ASSESSMENT



GRA15

GENERIC

X

SITE SPECIFIC

Activity/Element
Electrical Supplies, Installations, Maintenance, Repair, Isolation and Use of Electrical Equipment.

Potential Hazards
Electrocution, Falls, Injury, Fire. Damage/Misuse of supply. Arcing/Contact with overhead cables by vehicles/components being carried/moved. Contact with live/buried electric cables.

RISK RATING: Consequence x Likelihood = Risk Rating

Consequence	Likelihood	Risk Rating
1 Negligible/No effect 	1 Extremely Remote 	1-4 Trivial
2 Marginal 	2 Remote 	5-8 Acceptable
3 Critical 	3 Reasonably Probable X	9-12 Substantial X
4 Catastrophe X	4 Probable 	13-16 Intolerable

BEFORE CONTROLS:

CONSEQUENCE

4

LIKELIHOOD

3

RISK RATING

12

People Affected by the works:-

Members of the Public

X

Site Staff

X

Site Operatives

X

Visitors to Site

X

CONTROL MEASURES:

NOTE: Maintenance & repair personnel are especially at risk if the Electrical System is Not Correctly, Safely and Securely Isolated from ALL possible sources of electrical power.

- Electrical instructions will only be carried out by Qualified & Competent Persons who will issue Test Certificates of Compliance on completion of the work, such certificates to be retained as appropriate.
- The Risk Assessment must include for all potential Adverse Events/Emergencies E.g Fire and Evacuation, etc.
- All hand-held site electrical equipment will be PAT tested by qualified & registered persons at six monthly intervals, other non-hand held electrical equipment shall be tested annually. Records of all tests will be kept at Head Office.
- Only electrical equipment which has been tested & for which test certificates are in place will be permitted to be used.
- All tools and testing equipment must comply with 17th Edition Phase BS 7671.
- Electrical installations or equipment which may be exposed to mechanical damage, inclement weather or other harmful conditions, must be selected, erected and be designed and constructed for that purpose, as manufacturers instructions.
- Any 240volt Portable Electrical power tools will be restricted and used ONLY with an RCD, the RCD's must be provided by Head Office Management prior to any employee starting work. Only 110volt power equipment to be used on construction sites & for external works i.e. Roofwork, unless a requirement to use further reduced voltage is specified.
- Where overhead power lines are likely to cause danger, the relevant Electricity Authority will be consulted and, if required "Shrouds" fitted or suitable fencing & barriers erected at least 6 metres from power lines to prevent access.
- If working in the vicinity of overhead power lines/live systems or uderground cables an appropriate Permit to Work System must be implemented along with supervision by a competent person.
- Routes of all underground cables/electricity supplies will be traced, locations marked & notices posted.
- Excavators & power tools will not be permitted to be used within 0.5 metres of underground services, unless a Safe System of Work is established and implemented. Appropriate Permits to Work will be issued and complied with.
- All portable generators will be connected to earth, particularly dual voltage generators.
- Before working on electrical equipment the 'Means of Isolation or Disconnection' must be ensured so that no form of reconnection whether inadvertent or not can readily be made. Engage Lockout Facility or Complete disconnection, and establish Permits to Work system. Never assume that a circuit is dead - ALWAYS make sure that it is.
- On all electrical disconnection & connection the electrical operative MUST use Safety Tags and/or Warning Notices to assist in ensuring making live will not inadvertently happen.
- Safety Tags, Lockout Equipment, including RCD's will be provided as part of PPE issued by Regional Office.
- Use of PPE must be considered & be appropriate to the particular activity following assessment.

N.B. Employees duties under Regulation 14 of MHSWR to inform employer of any circumstances which might indicate a shortcoming in the above assessment.

AFTER CONTROLS:

CONSEQUENCE

4

LIKELIHOOD

2

RISK RATING

8

Project:

Generic

Date

Issued To:

Issued By :

MJ Lancaster

Signature:

Signature:

Position:

Position:

Health & Safety Manager

Reviewed: February 2022