



Electrical Safety Audit - Moses Electrical

21 Jul 2022 / Joseph Moses

Complete

Score	54.54%	Flagged items	8	Actions	0
Conducted on	21.07.2022 11:26 NZST				
	Safety Audit 000247				
Prepared by	Joseph Moses				
Location	123 Safety Crescent, Wellington				

Disclaimer

The assessors believe the information contained within this risk assessment report to be correct at the time of printing. The assessors do not accept responsibility for any consequences arising from the use of the information herein. The report is based on matters which were observed or came to the attention of the assessors during the day of the assessment and should not be relied upon as an exhaustive record of all possible risks or hazards that may exist or potential improvements that can be made.

Information on the latest NZ Electrical Regulations and compliance can be found in AS/NZ3000:2007

Flagged items

8 flagged

Inspection / Earthing and Mains Entry

Is the main earthing system compliant?

Non-Compliant

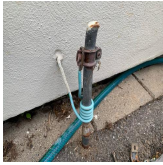


Photo 2

Inspection / Earthing and Mains Entry

Is the earth stake in soil/ grass or concrete?

Concrete

Inspection / Switchboard

Are all power outlet and lighting circuits protected by an RCD?

No

Inspection / Switchboard

General Condition of cables

Poor

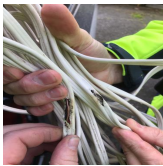


Photo 5

Inspection / Switchboard

Does the switchboard contain rewirable fuses?

Yes

Inspection / Switchboard

Is there surge protection installed?

No

Inspection / PowerPoints

Existing Rocker Switches?

Yes



Photo 6



Photo 7



Photo 8

Inspection / Heating and Ventilation

Heat Pump Due for Service?

Overdue

Inspection

8 flagged, 54.54%

Client Name:

Kermit the Frog

Job number:

MSE-123

General

Is there any electrical concerns to start with?

Yes

What Electrical Concerns are there?

The porcelain fuses keep tripping and the client has to replace the fuse wire often

Photo of house uploaded



Photo 1

Earthing and Mains Entry

2 flagged, 33.33%

Is the main earthing system compliant?

Non-Compliant

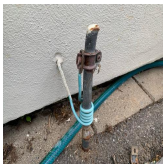


Photo 2

Is the earth stake in soil/ grass or concrete?

Concrete

Mains entry condition

Good



Photo 3

Switchboard

4 flagged, 42.86%

Attach a photo of the switchboard



Photo 4

Are all power outlet and lighting circuits protected by an RCD?

No

RCD's (Residual current devices) are effectively an Electrocutation Protection Device. Their purpose is to prevent serious injury or death from Electrocutation in a household or any other building.

In new domestic/residential installations, all final sub-circuits must be protected by a 30mA RCD installed at the switchboard where the final sub-circuit originates, including hardwired appliances such as air conditioning, ovens and hot water systems.

In many cases, alterations and additions to existing domestic/residential installations will also require increased RCD protection. This includes switchboard replacements and any changes to an existing final sub-circuit. When adding additional socket-outlets to an existing sub-circuit, RCD protection must be fitted from the commencement of the additional wiring.

Are the current RCD's Overloaded?

No

Does the switchboard contain asbestos?

No

General Condition of cables

Poor

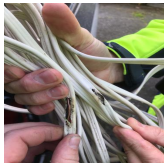


Photo 5

Is there a correctly rated main switch installed?

Yes

Does the switchboard contain rewirable fuses?

Yes

Is there surge protection installed?

No

Moses Electrical Electrical install a single phase surge protection device on the same-day for \$382.31 + GST - Just ask!

PowerPoints

1 flagged, 80%

General Condition of powerpoints

Fair

Additional Power Points Required?

Not Required

Existing Rocker Switches?

Yes



Photo 6



Photo 7



Photo 8

Lighting and smoke alarms

100%

Any issues with blown lights?

No

Security Lights Working?

Yes

Are there existing smoke alarms compliant to current NZ Smoke Alarm Regulations?

Yes

All new Smoke alarms must be Photoelectric, have a battery life of at least eight years (or be hardwired), and installed according to the manufacturers instructions. It is also important to check it is not past the expiry date.

For landlords, you must install a smoke alarm:

- Within 3 metres of each bedroom door, or in every room where a person sleeps
- in each level or story of a multi-story or multi-level home
- in all rental homes, boarding houses, rental caravans, and self-contained sleep-outs.

Bathrooms

66.67%

Extractor Fan Working / Required?

Yes

Heater Working / Required?

Yes

Heated Towel Rail Working / Required?

No

Heating and Ventilation

1 flagged, 50%

Is there heating or ventilation systems installed?

Yes

Ventilation Filters Due for Replacement?

Overdue

Ventilation System or Heat Pump Required?

Not Required

Heat Pump Due for Service?

Overdue

Is there an appropriate Rangehood in the kitchen?

Yes



Photo 9

Can the dwelling benefit from any Electrical Safety upgrades?

LED downlight upgrade? (\$100 cheaper if completed today)	Yes
Upgrade powerpoints from Singles to Doubles?	Yes
Switchboard Upgrade with Gold Option (FREE Surge Protection Device - worth \$450)	Yes

Appendix



Photo 1



Photo 2



Photo 3



Photo 4



Photo 5



Photo 6



Photo 7



Photo 8



Photo 9