

Electricity Industry Bulletin No: 66 September 2007

FOR THE ATTENTION OF ALL ELECTRICAL WORKERS

I. OLDER ELECTRICAL INSTALLATIONS — LIVES ARE AT STAKE

Restricting your standard of work to the minimum requirements of AS/NZS 3000 is one thing; performing blatant unsafe electrical work is another. Too often, Aurora Compliance Inspectors uncover work that is of such a poor standard that action must be taken by Electricity Standards *and* Safety against the installer. In the photos below there are many areas where sub-standard electrical work has created potential hazards for the customer and others, who may need to access the ceiling space.

The question you should ask is; why not use every opportunity to raise the standard of your customer's older electrical installation? Promote RCDs and upgrades where possible, band-aids never last very long.

When entering the ceiling spaces of older installations particular care should be taken with split conduit and lead sheathed cables, as separated sections that lose their earth continuity, can (and have) become "live" waiting for the unsuspecting victim.



Before entering any ceiling or floor space, the minimum risk control measures should be to:

- ensure there is adequate lighting (a lead-light is far better than a torch in most cases)
- always carry a voltage tester to identify live conductive parts
- wear appropriate clothing



2. ELECTRICAL CONTRACTOR 'DESKTOP STYLE' AUDITS

This year's round of 15 audits around the state were completed in May. The results were generally very pleasing with most contractors and nominated managers attempting to achieve a high level of compliance. There were however a couple of nominated managers who failed to lodge all the EINs required. With the introduction of more stringent notification requirements under the *Occupational Licensing Act 2005*, to apply later this year, nominated managers who fail to ensure all appropriate notices are lodged may be asked to 'show cause' why action should not be taken against them or the licence holder. If you do not have an EIN lodgement system in place that works, now is the time to change your procedures. Many contractors have found simple adjustments, such as marking the EIN number on the invoice, to be a useful prompt to lodge EINs.

IMPORTANT MESSAGE

3. WORKPLACE SAFETY WEEK - A SEMINAR FOR ELECTRICAL APPRENTICES

WorkCover is coordinating a program of free safety seminars, workshops and activities around the state during Workplace Safe Week 21-27 October 2007.

Electricity Standards *and* Safety are planning to run a session in each region as part of these events. The sessions will be aimed at new and young electrical workers and aims to give them information that will help them avoid an accident at work.

Electrical Safety Officer Tony Millhouse will be presenting a talk on electrical hazards in the workplace. Tony will draw on his experience from investigating a number of electrical fatalities and serious electrical accidents in Tasmania.

This is a great opportunity for new electrical workers to gain knowledge of electrical hazards that could be presented to them in the workplace and learn what steps should be taken to prevent the risk of electric shock.

Contractors please encourage your new electrical workers to attend the seminar to gain knowledge of electrical hazards in the workplace.

Keep an eye on the WorkCover website at www.workcover.tas.gov.au for registration details on this and other free workplace safety information presentations.

4. AS/NZS 3000:2007

SAI Global will be publishing and distributing the new wiring rules Standard **AS/NZS 3000:2007 Electrical installations**, it is expected to be launched in the final quarter of this year. Keep an eye out in the next Bulletin (December issue) for a brochure on how to obtain copies of this publication.

5. AURORA RELOCATION

The Aurora Electrical Compliance Inspectors have relocated from Moonah to 67 Kennedy Drive, Cambridge. The new phone number for Peter Barrett is 6208 7029 and Miranda Ward 6208 7027, their fax number is 6208 7068.

A new EIN box is being manufactured for installation at Cambridge. EIN's can be dropped in at Cambridge or, at present, can be left in the EIN box at Moonah, until 1st Oct 2007. Original EIN's can be posted to Electrical Compliance Group, C/-Aurora Energy, GPO Box 191, Hobart, 7001.

6. NEW LICENCE HOLDERS

Electricity Standards *and* Safety have recently licensed the following people to work as electricians in Tasmania. A majority of these electricians are recently graduated apprentices, we extend to them our congratulations.

Licence Number

Name

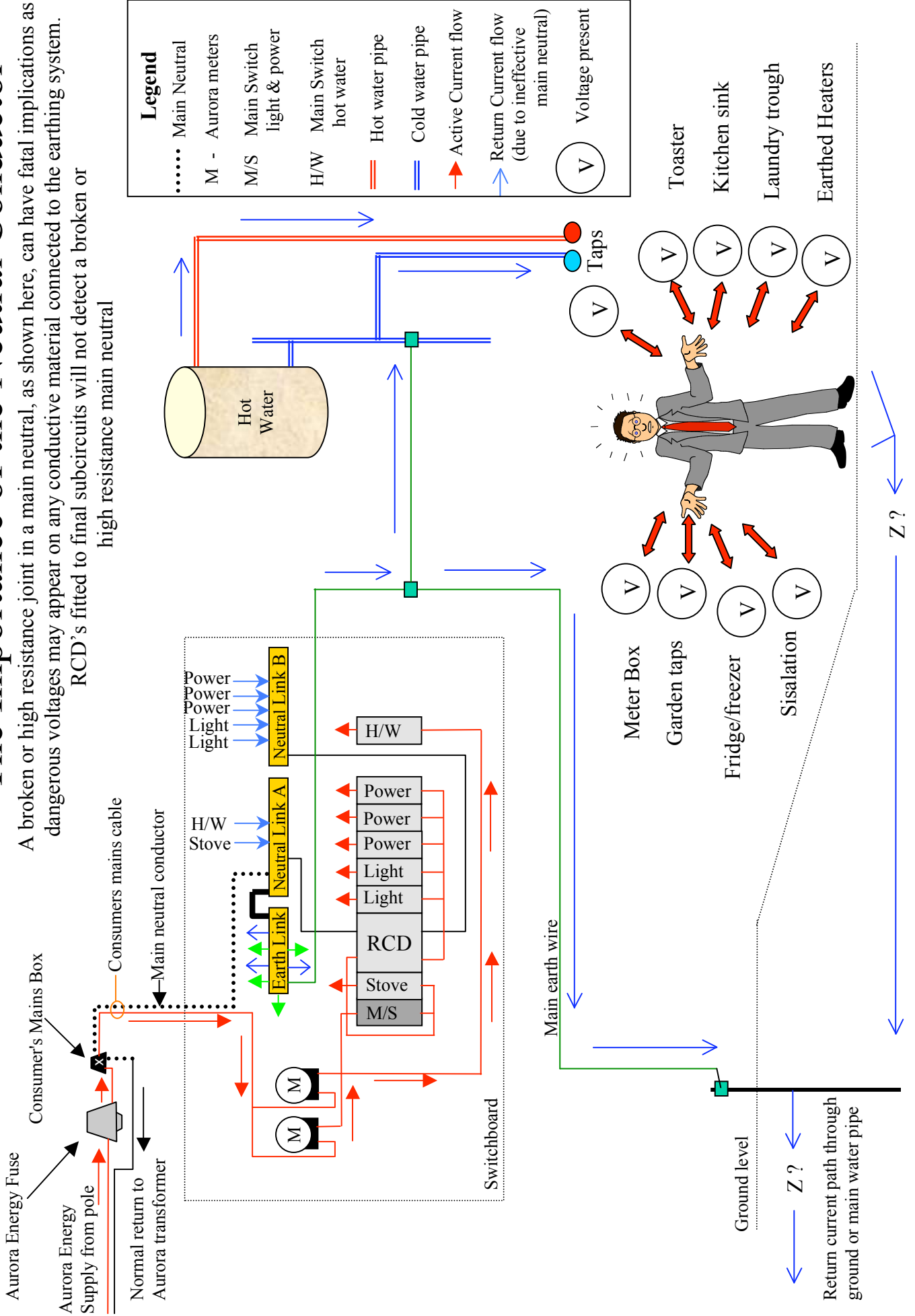
A7350	Craig Dewar
A7351	Mark Edward Angleton
A7352	Mark Andrew Selmon
A7353	Douglas Bruce Will
A7354	Patrick Charles Coull
A7355	Stephen John Daniell
A7356	Robert David Hooper
A7357	Michael Andrew Wilson
A7358	Mark Robert Rumbold
A7359	James Allan Nicholl
A7360	Steven David Youd
A7361	Lee Anthony Sweeney
A7362	Shannon Lee Scott
A7363	Jacobus Marthinus Potgieter
A7364	Kevin John Duckmanton
A7365	Christopher Dennis Ogg
A7366	Joshua Peter Faltinski
A7367	Chad Gunther
A7368	Daniel Indyk
A7369	Paul Maurice Bell
A7370	Nalin John Hardisty
A7371	Jasiel Latham
A7372	Dale Allen Warren
A7373	Dylan Kevin Welsh
A7374	Patrick Jairos Bunhu
A7375	Daniel Paul Johnstone
A7376	Andrew William Marl
A7377	Victor Bruce Dantel
A7378	Johnny Thomson
A7379	Stephen Gilbert Turner
A7380	Ashley Wayne Keygan
A7381	Ashley Pantalleresco
A7382	Stuart James Smart
A7383	Justin Mark McKenna
A7384	Nathan Brian Bourke
A7385	David John Green
A7386	Michael James Paul Ryan
A7387	Matthew James Brown
A7388	Scott Anthony Warn
A7389	Dwayne Luke Howard
A7390	Graham Norman McColl



The Importance of the Neutral Conductor

A broken or high resistance joint in a main neutral, as shown here, can have fatal implications as dangerous voltages may appear on any conductive material connected to the earthing system.

RCD's fitted to final subcircuits will not detect a broken or high resistance main neutral



6. TAFE TASMANIA TRADE CELEBRATION EVENING

Jasiel Latham was the proud winner of the Best Electrotechnology apprentice - Regulatory Compliance Award at the recent TAFE Tasmania trade graduation and award presentation celebration evening held at Wrest Point on the 25 June 2007.

The regional celebrations celebrate the achievements of apprentices who have completed their trade apprenticeship with prizes and certificates being awarded to acknowledge excellence among the trades. To recognise Jasiel's outstanding achievement he was presented with an electrical testing instrument, which he will put to good use in his career as an electrician.

Electricity Standards *and* Safety (ESS) invest significant time and resources into supporting the development of apprentices for The Institute of TAFE Tasmania Electrotechnology program. With so much attention

focussing on skills shortages and the low number of apprenticeships available, ESS are proud to be part of this excellent initiative as well as a contributing sponsor of the 2007 TAFE Tasmania Awards. ESS congratulates Jasiel on this outstanding achievement and look forward to continued involvement in the apprenticeship program.



Pictured here is Jasiel with John Hammersley Chief Electrical Inspector, Electricity Standards *and* Safety.



- ◆ GMC WV1 1100W Garden Vac
- ◆ Panel socket Outlet
- ◆ Excalibur 100 W Portable Handlamp Worklight
- ◆ Eiger twin spotlight
- ◆ Sharp LCD television
- ◆ Powerwave Power Adaptor
- ◆ RLM Brand Carson Surface Mounted Downlight
- ◆ Australian Plug of AC Power Adaptor – for iPod Brand names: AVLabs, Capdase, elano, GEAR4

For further recalls and precise product information, defect details and consumer action, visit the Product Recalls Australia website at www.recalls.gov.au



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