

From: "Chris Ryan" <CRyan@winten.com.au>
To: "Dinuka McKenzie" <Dinuka.McKenzie@planning.nsw.gov.au>
CC: "Mark Spence" <mark@SParchitects.com.au>
Date: 16/11/2010 4:56 pm
Subject: RE: 136 Walker St / 3 -11 Ward St substation
Attachments: emfsurveys101116.pdf

Hi Dinuka,

Thank you for the update.

There have some recent comments made to us by Energy Australia at a meeting on substation external design to our architect on shielding (that it is not possible) and at the recent JRPP about draft standard status and relevance(the proposed 4Mg is wrong).

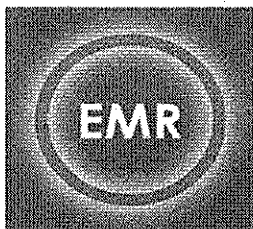
We attach a letter from our consultant commenting on these issues and request that the Department take these matters into consideration in the determination of the Part 3A.

Regards

Chris Ryan | Winten Property Group
T: 02 9929 5000 | F: 02 9929 5001 | www.winten.com.au
Level 10, 61 Lavender Street | Milsons Point NSW 2061

Disclaimer

This email and any attachment is intended solely for the use of the person(s) named above and may contain information that is confidential, legally privileged or subject to copyright. If you are not the intended recipient, or responsible for delivering this message to the intended recipient, any review, dissemination, distribution or duplication is prohibited. If you are not the intended recipient, please contact the sender immediately by email and destroy all copies of the message. Views expressed are those of the individual sender unless the sender specifically states them to be the views of Winten Property Group.



EMR SURVEYS PTY LTD
ABN 93 050 105 050

25 Alma Street
Clontarf
NSW 2093 Australia

Tel + (6) (02) 9949 9229
Fax + (6) (02) 9400 2724

johnlincoln@optusnet.com.au

16-Nov-10

Winten Property Group
Level 10, 61 Lavender Street
Milsons Point NSW 2061

Attn: C Ryan

Dear Chris,

North Sydney Zone Substation Redevelopment

Confirming our discussion of this morning:

Draft ELF Standard

As recently as Wednesday 10th November 2010 ARPANSA advised the EMERG meeting held in Miranda that the draft standard was in the final review stage and was expected to be available for publication in early 2011. There are no proposed changes in the areas of safety levels or precautionary measures included in the last draft.

It should be noted it is unusual to refer to draft documents prior to acceptance and publishing, however since Energy Australia chose to quote from the 2002 draft it was important to set the record straight, as in my previous correspondence.

Shielding

There must be some misunderstanding with your contact at Energy Australia regarding shielding. EA like many other electrical utilities use shielding to reduce magnetic fields. There are a few methods in common use including arrangement of cabling and insertion of special shielding steel with properties similar to transformer steel.

We are aware of at least 3 companies who perform this work, there may be others, but the ones we know of are:

Magshield Products on St Kilda Road, Melbourne. Tel: 03 9521 6068

Brookes EMS P/L at Warranwood VIC. Tel: 03 9876 2496, and
RFI Industries at Bayswater VIC. Tel: 038739 6700

There are a number of sub-stations in the Sydney area that have incorporated shielding for magnetic fields. Transgrid shielded a very large transmission cable from Sydney South to Ultimo to ensure that no adjacent house was exposed to magnetic fields greater than 4 milligauss on the nearest external wall. We have checked some of these houses and can confirm the shielding was very effective.

Yours sincerely

A handwritten signature in cursive script, appearing to read 'W.J. Lincoln'.

W.J.Lincoln B.E.Elect
Director