

APPENDIX G2

LIGHTING SURVEY

ANGAS PROCESSING FACILITY

MISCELLANEOUS PURPOSES LICENSE APPLICATION

2019/0826



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STATEMENT OF SURVEY ANGAS ZINC MINE TERRAMIN AUSTRALIA LTD

Date: 30th April 2009

To whom it may concern:

DBE Group Pty Ltd were invited, in October 2008, by Terramin Australia Ltd to undertake a lighting survey to establish if the lighting controls implemented during plant design, construction and commissioning conformed to the requirements of AS 4282-1997 with regards to the control of the obtrusive effects of outdoor lighting emanating from the mine site.

The survey included an in depth analysis of the site layout and location of the lighting installed as well as regular night time lux level readings at detailed points around the full perimeter fence of the mine site to capture the average levels of lighting produced in different climatic environments.

The results of the survey lux level readings along with the detailed site co-ordinates (which are also shown on a plan of the site in Section 4) are tabled in Section 2.

By examining the results shown within Section 2 of this survey it can be noted, by comparison, that the lighting at the mine site, installed in accordance with the approved design and construction drawings contained in Section 3, is within the guidelines contained within Tables 2.1 of AS 4282-1997 for the recommended maximum values of light technical parameters not only for commercial areas, but for residential areas also.

With the above and attached documents in mind, DBE Group Pty Ltd can advise that the external lighting installed at the Angas Zinc Mine, on the date of the tests concerned, fell within the requirements of AS4282-1997 with regards to the control of the obtrusive effects of outdoor lighting on its neighbours.

For and on behalf of DBE Group Pty. Ltd.

Darren Stone
Managing Director

The DBE Group has over 22 years of worldwide professional experience in the power generation, water, mining and oil & gas industries. It carries multiple insurance policies including Professional Indemnity Insurance for full coverage of its activities.