



Department of
Primary Industries
Water

Dubbo City Council
PO Box 81
DUBBO NSW 2830

Parcel:.....
Ass:.....
- 6 APR 2016
File C:.....

Contact Alice Buckley
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Our ref: 80 ERM2016/0106
File No:
Your Ref: D2016-70

Attention: Darryl Quigley

Dear Darryl

Designated/Integrated Development Application D2016-70 - Request for additional information for proposed development

I refer to your letter dated 7th March 2016 requesting comments on the Development Application lodged by Australian Zirconia Limited for the proposed basalt quarry for the purpose of supplying construction materials for the Dubbo Zirconia Project (SSD-5251). DPI Water has reviewed the Development Application and provides the following comments:

- DPI Water notes that there is no clear erosion and sediment control plan for the quarry site. Sediment and erosion control is addressed conceptually in Figure 4.8 Quarry Surface Water Management and general principles in Section 4.3.3.1. DPI Water supports the development of a detailed Erosion and Sediment Control Plan. The development of this plan is critical for stability at the site during construction and operation of the project. It is requested this plan be developed in accordance with the guideline, "Managing Urban Stormwater: Soils and Construction – Volume 2E Mines and Quarries".
- Figures 2.1 and 4.8 have not clearly defined the separation of clean and dirty water at the proposed quarry site. It is proposed that dirty water at the site will be channelled into two sediment basins; however management of clean water over the remainder of the site is not described. DPI Water recommends detail be provided on the separation of clean and dirty water, and procedures to ensure clean water is conveyed in a stable manner around the site.
- DPI Water believes that there is the potential for the quarry site to be located on waterfront land. DPI Water recommends that waterfront land is appropriately identified. Waterfront land is defined in the *Water Management Act, 2000* as the bed of any river, lake or estuary and any land within 40 metres of the river banks, lake shore or estuary mean high water mark. If work is going to be undertaken on waterfront land a controlled activity approval needs to be sought from DPI Water.
- DPI Water understands that the only water requirements for the proposed quarry will be for dust suppression. The Water Access Licence and relevant approvals should be stated in the EIS so that water take can be attributed to the specific approval/s and/or licence/s.
- DPI Water believes a clear rehabilitation and maintenance plan should be provided for the quarry site, this is addressed only at the concept stage in Section 2.

Should you have any further queries in relation to this submission please do not hesitate to contact Alice Buckley on (02) 6841 7469.

Yours sincerely

A handwritten signature in black ink, appearing to be 'ZB' followed by a long horizontal stroke.

Tim Baker
Senior Water Regulation Officer (Central/Far West)
01 April 2016