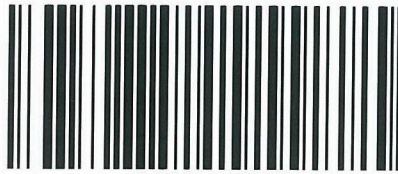


2 June 2014



PCU53668

NSW DEPARTMENT OF PLANNING AND INFRASTRUCTURE
PO Box 39
SYDNEY NSW 2001

Dear Sir/Madam

**Subject: Mannering Colliery Modification 2 and Chain Valley Colliery
Modification 1**

Please find the following advice provided for proposed modifications to Mannering Colliery (MP06_0311) and Chain Valley Colliery (SSD-5465).

Prior to determination of the developments, Council recommends the following matters be resolved and addressed in the supporting documentation:

Climate Change Adaptation

It is considered that surface subsidence predicted in the environmental report could exacerbate the effects of increased flooding and permanent inundation caused by rising lake levels – projected to rise by up to 0.9 metres by 2100. Land up to 3m AHD may be affected by increased lake flooding, and land up to 1.0m AHD may be affected by permanent inundation.

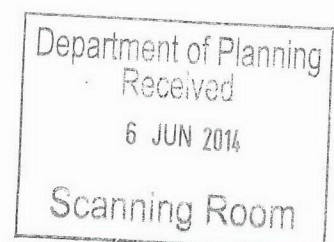
The footprint of the subsidence predicted as a direct result of the proposed roadway, as well as the cumulative effects of the proposed roadway and previous workings, show some impact on land <3m AHD in the vicinity of the lake foreshore and inlet canal. The maximum predicted effect of subsidence is 20mm, but even this small change can alter the distribution foreshore plant of species sensitive to tidal inundation and groundwater such as mangroves, salt marsh and swamp mahogany.

It is desirable to reduce subsidence in the vicinity of the lake foreshore as much as possible.

The proposal is for a two-stage development, with the initial phase involving the two southern roadways.

There is little or no discussion in the assessment provided of the need or justification for the additional northern roadways.

The effect of direct subsidence (Fig 5.2), and the cumulative effect of subsidence beneath previous workings (Fig 5.3) could be reduced by withholding approval for the additional northern roadways, particularly as the cumulative impacts are biased towards the northern side of the development as a result of the existing workings



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Our Ref: MISC/1/2012/A

Should you require further information, please contact the undersigned on 4921 0197 or by e-mail on dlovell@lakemac.nsw.gov.au.

Yours faithfully

A handwritten signature in black ink, appearing to be 'D Lovell', written over a horizontal line.

David Lovell
Senior Development Planner
Development Assessment and Compliance