

Dean, Julie (DEM)

From: Peter Bolton <pbolt@ozemail.com.au>
Sent: Thursday, 22 August 2019 4:34 PM
To: DEM:Mining Reg Rehab
Subject: Objection to Proposed gold mine near Woodside

To: South Australian Department of Energy and Minerals (DEM)

To whom it may concern,

I am a long-term SA resident/ voter/ tax-payer. I am a civil engineer and have worked in the mining industry. Hence I know what to expect from such a proposal. I wish to voice my concerns over the proposed approval of Terramin's gold mine at Bird-in-Hand near Woodside. My concerns are many, but include the following:

Increased heavy traffic on local hills roads –

- These roads were not designed or built for large/ heavy vehicles and there will be increased safety risks, as well as disturbance & delays to local residents. Terramin's proposal involves multiple daily heavy truck movements to cart ore Strathalbyn.

Loss of appeal to tourists/ visitors

- The appeal of the Adelaide hills comes from its clean, quiet, leafy environment and an operating mine would be inconsistent with this. Terramin's proposed operations will inevitably produce noise (from blasting & from trucks), dust and unsightly spoil heaps.
- Similarly, the appeal of SA's produce such as fruit & wine comes from its clean, green image. Permanent reputational damage could be caused by allowing a mine in the Adelaide Hills.

Effects on groundwater

- The proposed mine site sits in the Inverbrackie Creek catchment area, in the protected Mt Lofty Ranges prescribed watershed zone which supplies the city of Adelaide with 60% of its drinking water.
- Terramin's proposal is based on reinjecting groundwater back into the local aquifer. Although some basic modelling has been done, the community has had no assurances that this process will cause no harm to water supply, levels and quality.
- An [independent study](#) by CDM Smith shows that it is almost impossible to accurately model and predict the behaviour of underground water.
- Terramin's hydrology analysis estimates the aquifer will drop up to 20 metres. This impact will be felt as far as 1.2 kilometres away and will affect at least 30 existing wells.
- Many local crops are very sensitive to changes in water quality and quantity.

Please register my objection to this proposed mine site application - and do not allow this proposed gold mine to go ahead. It is not even for an essential mineral; nor one needed to make critical products for the wider community.

Regards,

Peter Bolton
Prospect SA 5082