

From: Owen Inglis
To: [DEM: Mining Reg Rehab](#)
Cc: [Sharkie, Rebekha \(MP\)](#)
Subject: Terramin Bird In Hand Mine
Date: Wednesday, 14 August 2019 3:17:04 PM
Attachments: [image005.png](#)
[image006.png](#)
[image007.png](#)
[image002.jpg](#)
[image004.jpg](#)

Sirs,

I am the owner of Sidewood Estate an Adelaide Hills producer of wines and ciders.

Our principal vineyard lies within 3 kms of the proposed Terramin mine .
We employ over 25 full time staff , run a 1,000 mt winery at Nairne , a 3,000 bottle per hour bottling/canning line that PIRSA recently granted over \$850,000 to develop. 3 vineyards including 300 acres at Oakbank , and will shortly be opening a new cellar door restaurant at Hahndorf.

I am very concerned as to the effect that underground blasting will have on the delicate aquifer system that we are totally dependent on.

2019 vintage was a case in point.

Sidewood as well as most vineyards in the region are heavily dependent on water supply from aquifers.

It seems evident that both the water quality and quantity are deteriorating already as a result of climate change and usage pressure.

Since 2004 we have run 2 bores at an 80 m depth .

In 2018 we dropped the main bore to 150 m due to declining water quality over the years.
By January 2019 our secondary bore at 80 m had completely run dry and the water level on our main bore was at 130 m.

In other words if we had not taken the prudent measure and significant cost of drilling to a deeper depth we would have run out of bore water completely which would have had a seriously adverse effect on our productivity for the year.

The water situation is already tenuous .

To allow mining and significant blasting in the close vicinity of our principal vineyard will surely pose a considerable risk to our operations.

Should we loose our aquifers it is without question that the vineyard producing 70% of our grapes would be badly affected if not lost , along with 25 jobs.

The winery and bottling line with over \$15,000,000 currently invested could possibly fail and need to be closed.

It would seem that the government may be lending itself to significant legal exposure should they allow the commencement of blasting at the Bird in Hand mine and damage to the aquifers results.

The risk to the community would appear obvious.

Regards



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From: Owen Inglis
To: [DEM:Mining_Reg_Rehab](#)
Subject: RE: acknowledgement of public submission
Date: Wednesday, 28 August 2019 4:43:05 PM
Attachments: [image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.png](#)
[20170703-Innovative-Groundwater-Solutions-Independent-Review.pdf](#)

Dear Julie,

Thank you for your email.

I would also like to further submit for the Minister's attention the attached Peer Review from Innovative Ground Solutions.

In particular I bring to the Minister's attention the Summary in Attachment A page 6. Which notes.

"the numerical groundwater modelling, does not yet meet the standard set by the Australian Government Groundwater Modelling Guidelines"

During last weeks community meeting which the Minister attended I asked the question whether Terramin had done any further modelling or had commissioned any further peer reviews of Terramin's proposed groundwater solutions.

The answer to these questions was no.

As such the existing ground water assessment and proposed solutions submitted by Terramin can only be assumed at this time ,to be defective ,insufficient and not meeting Government Guidelines, and as such I can only presume that the Minister and by association the State Government would be negligent in allowing the project to commence without first ensuring that the 20 Major issues highlighted in Appendix F of the review were satisfied in entirety and reviewed again by the same Hydrogeologists , IGS , who performed the initial peer review.

I would also like to point out an extract from the Background paragraph on page one which states.

"A final independent peer review report which must include ; an assessment of whether the model is fit for purpose"

The final independent peer review has not been performed so it would seem that Terramin has not yet met the conditions required to apply for permission from the Minister to commence further mining activities.

Yours sincerely.



OWEN INGLIS
OWNER & VIGNERON
ESTATE GROWN | HAND CRAFTED | ADELAIDE HILLS

M| 0437 811 133 T| (08) 8389 9234

ESTATE & OFFICE
92 MAPPINGA ROAD, OAKBANK, SA 5243

CELLAR DOOR
15 ONKAPARINGA ROAD, VERDUN, SA 5245



SIDEWOOD
ADELAIDE HILLS