



SGS

**RADIATION
SERVICES**

**EXPERT WITNESS STATEMENT OF
MR DARREN BILLINGSLEY - ADDENDUM
FINGERBOARDS MINERAL SANDS PROJECT EES
5 FEBRUARY 2021**

PREPARED FOR:

INQUIRY AND ADVISORY COMMITTEE

EXPERT OF KALBAR OPERATIONS PTY LTD



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Expert of

**KALBAR OPERATIONS
PTY LTD**

Prepared for

**Inquiry and Advisory
Committee**

EXPERT WITNESS STATEMENT OF MR DARREN BILLINGSLEY- ADDENDUM FINGERBOARDS PROJECT

8 FEBRUARY 2021

This statement is approved by

Mr. Darren Billingsley
Senior Health Physicist



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1. NAME AND ADDRESS

1.1 Principal Senior Health Physicist:

Mr Darren Billingsley
Senior Health Physicist
SGS Australia Pty Ltd
10/585 Blackburn Road
Notting Hill, VIC 3186

2. WITNESS STATEMENT SUMMARY

- 2.1 SGS Australia Pty Ltd were engaged to prepare a Radiation Assessment Report (RAR) for the Fingerboards Project in East Gippsland, Victoria, as required for the Environment Effects Statement (EES). The report (titled 'Radiation Assessment Report, April 2020') was exhibited as Appendix A011 of the EES and was prepared for the purpose of addressing all radiation related aspects of the EES scoping requirements.
- 2.2 White & Case, as legal advisors to Kalbar Operations Pty Ltd (Kalbar), engaged me to prepare an expert witness statement and potentially present evidence at the inquiry hearing.
- 2.3 I prepared a Witness Statement which was provided on 29/1/2021. Submissions on the EES relating to radiation and radioactivity and my response to these submissions were set out in the Statement.

3. POSSIBLE PROPOSAL CHANGES

- 3.1 I was advised by White and Case on 18/1/2021 about possible changes to the Fingerboards proposal.
- 3.2 Documents were provided to me including:
- Technical Note *TN01 Implementation of centrifuges for water recovery and tailings management*, Kalbar Resources, 18/1/2021; and
 - White & Case cover letter to Mr Nick Winbush, dated 18 January 2021.
- 3.3 I have reviewed the documents as outlined in 3.2 and conclude that, in summary, the technical note considers the use of centrifuges which would eliminate the need for a tailings storage facility. Additional items outlined include changes to auxiliary infrastructure including a water pump station, and road and rail infrastructure.

- 3.4 If the changes were adopted, I believe it would have no impact on my radiation assessment report (RAR), or the contents of the witness statement I have already provided in relation to the Project on 29/1/2021. All dose estimates and impacts discussed in the RAR and my witness statement have been based on conservative worst-case input parameters, irrespective of the finer detail of the processing stream, and tailings disposal process as outlined in the Technical Note.

4. DECLARATION

I have made all the inquiries that I believe are desirable and appropriate and no matters of significance which I regard as relevant have to my knowledge been withheld from the Inquiry and Advisory Committee.

Signed: ... 

Dated: 8th February 2021