

EXPERT WITNESS REPORT

- a) Full Name and address of Expert Witness;

Adrian John Moore, 18 Kent Hughes Road, Eltham, Vic. 3095

- b) Experts qualifications, experience and area of expertise;

Master of Engineering Science from University of Melbourne (1997)

Bachelor of Engineering (Mining) from Ballarat College of Advanced Education (1983)

Diploma of Civil Engineering from the Preston Institute of Technology (1966)

1988 – present: Principal Engineer of Terrock Consulting Engineers

1983 – 1988: Involved in several mining projects in Central Victoria involving assessment and rehabilitation of old mines, as well as conducting blasting and mining related courses at the Loddon Campaspe College of TAFE and the Bendigo College of Advanced Education. Consulting Engineer to the Bendigo Trust.

1966 – 1983: Gained surveying, grade control, blasting engineering and supervisory experience at various open cut and underground mines throughout Australia, in addition to municipal engineering experience with the City of Castlemaine.

- c) A statement identifying the experts area of expertise;

I am an engineer with Civil and Mining qualifications with over forty years of professional experience in blasting, blast vibration control, structure response and environmental planning. I have also co-authored and co-presented many papers at Australian and overseas conference (a full list is contained in Attachment 2).

d) Reference to any private or business relationship between the expert witness and the party of whom the report is being prepared; **NIL**

e) All instructions that define the scope of the report (original and supplementary and whether in writing or oral);

Consideration of the quarry buffer and sensitive use buffer set out in the PSP and comment on whether the buffers – in particular, the quarry blast buffer – are sufficient in light of expected blasting and vibration impacts arising from quarry operations at the site (assuming standard quarrying industry practice). See in particular, Plan 2 and sections 2.2 and 2.3 (objective O10) of the PSP; and

Consideration of inter-industry issues and whether there are particular industrial or other non-sensitive uses that would be inappropriate to locate in proximity to the site due to potential blasting and vibration impacts from the quarry operations.

f) The facts, matters and all assumptions upon which the report proceeds;

g) Reference to those documents and other materials the expert has been instructed to consider or take into account in preparing his or her report and the literature or other material used in making the report;

- 1. MPA Mount Atkinson and Tarneit Plains Precinct Structure Plan**
- 2. DEDJTR Guideline Blast Vibration Limits**
- 3. Australian Standard AS2187.2 – 2006**
- 4. British Standard BS738502 (1993)**
- 5. German Standard DIN4150**

h) The identify and qualifications of the person who carried out any tests or experiments upon which the expert relied in making the report; **None taken**

i) A statement:

- summarising the opinion of the expert;

It is my opinion that blasting the effects of blasting in the quarry must be considered in the proposed land use zonings.

- identifying and provisional opinions that are not fully researched for any reason (including the reasons why such opinions have not been or cannot be fully researched);

None.

- setting out any questions falling outside the expert's expertise; and

None identified.

- indicating whether the report is incomplete or inaccurate in any respect.

The report is complete and accurate to the best of my knowledge.

A signed declaration by the expert that:

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

A handwritten signature in cursive script that reads "Adrian J. Moore." The signature is written in black ink and is positioned to the left of the typed name and date.

Adrian Moore
2nd September, 2016

