
To whom it may concern

Yzermyn Blasting Ground Vibration Analysis

2 July 2013

Mindset has been appointed as the consultants to perform a Pre-Feasibility Study on the proposed Yzermyn Project in the area of Dirkiesdorp, Mpumalanga.

The area has been explored by an initial phase of diamond drill holes and from the information obtained, an underground mineable resource has been declared.

The coal seams targeted are the Alfred and Dundas Seams, each with a seam width of about 1.6 metres and depth ranging from about 40 to about 300 metres.

Due to the relatively thin seams and the mountainous topography, the only mining method considered viable for the extraction of the coal is by underground mining.

Access to the coal seams will be via a box cut with declines to each of the seams. This implies that limited surface blasting over a short period of time will be conducted whilst establishing the box cut from where the declines will be developed.

Given the locality of the box cut and the absence of any building structures in the area, Mindset is of the opinion that a Ground Vibration Assessment would serve no purpose. This analysis is normally conducted where opencast mining is to take place as the mining method, where the structural integrity of building structures could be impacted by ground vibrations.

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