

BLAST VIBRATION MEASUREMENTS AT FAR DISTANCES AND DESIGN INFLUENCES ON GROUND VIBRATIONS

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ABSTRACT

The Bureau of Mines has funded the Office of Surface Mining (OSM) to determine the blast vibration effects on surface and subsurface structures. The study was conducted in the vicinity of the Idaho State University. A number of blast vibration measurements were taken at various distances from the blast site. The results show that the blast vibration effects are significant at distances up to 1000 feet from the blast site.

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