



Advanced Airblast and Noise Short Course

Blasting Geomechanics Pty Ltd have developed a two day short course on advanced aspects of airblast and noise.

Topics covered:

Topic 1 Characteristics of airblast and noise

Topic 2 Practical aspects of airblast and noise measurement

Topic 3 Monitoring equipment

Topic 4 Analysis of recorded data

Topic 5 Airblast superposition modelling

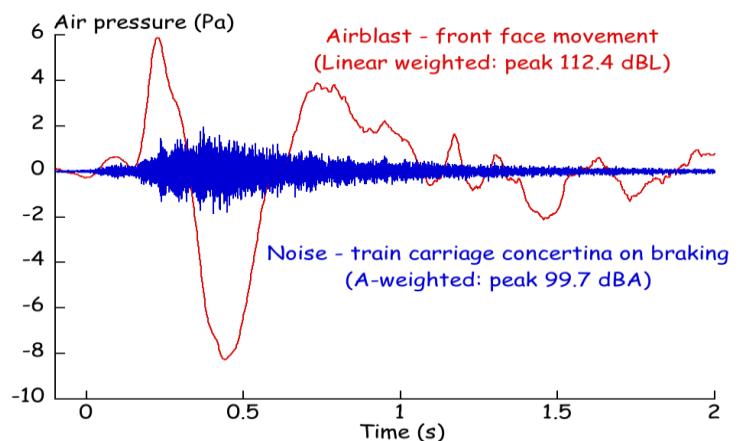
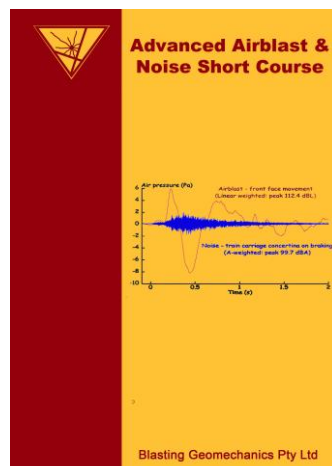
Topic 6 Airblast control techniques

Topic 7 Noise reduction techniques

Course outcomes: Attendees will get a practical insight into the characteristic of airblast and noise including the influence meteorology. Emphasis is placed on using appropriate equipment in the correct manner. For example, unweighted (linear) filters can be used for airblast compliance (typically has frequency components < 100 Hz). However A-weighted filters (or equivalent) must be used for environmental noise compliance, in which frequency components to the limit of human hearing (typically up to 15000 Hz) must be recorded. This places a strict requirement on equipment used for noise monitoring, insofar as data must be gathered using of 30000 samples per second. The basis of airblast superposition modelling will be presented as well as the limitations. Attendee will get an understanding of the range techniques available to control airblast (eg stemming, delay sequence etc) and noise (eg acoustic screens).

Who should attend: Shotfirers, drill and blast supervisors, superintendents, drill and blast engineers, blast designers, environmental scientists and engineers.

Course leader: Dr Dane P Blair (Senior Principal Consultant)



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