

Other training offerings

Other training courses available in-house on-demand are:

- Advanced blasting emissions (Includes RIIBLA 402D)
- Advanced vibration
- Advanced airblast and noise
- Explosive legislation awareness training
- Blasting geology
- Design surface blast (RIIBLA601D)
- Establish and maintain a blasting system (RIIBLA602)

Note: TNL Consultants is the RTO for the RII units

Advanced Wall Control Blasting Short Course

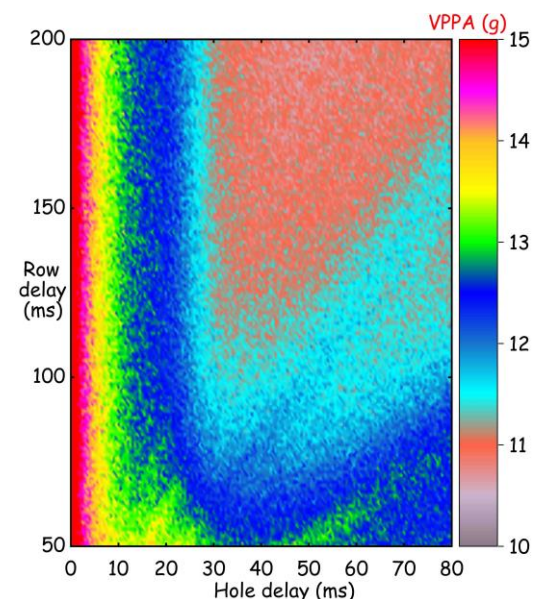
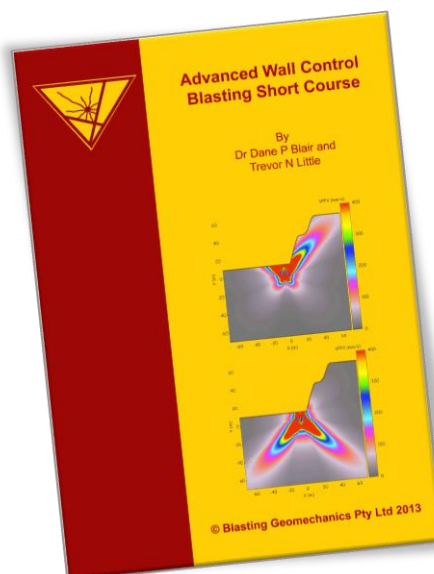
Blasting Geomechanics Pty Ltd (BGPL) are offering a two day Advanced Wall Control Blasting Short Course. This course is available to the public and is continually updated to include current measurement and modelling work performed by BGPL. This short course is also available as an in-house training event. Topics covered:

- Topic 1 Course introduction and context** - Objectives, blasting, risks and opportunities
- Topic 2 Wall instability and controls** – Design process, failures and controls, monitoring
- Topic 3 Controlled blasting techniques** – Terminology, WCB techniques, selection
- Topic 4 Wall damage overview** – Damage causes, measurement, analysis, modelling
- Topic 5 Blast induced wall damage** – Conceptual, analytical, numerical models
- Topic 6 Blast influence on wall damage** – Stress, priming, presplit, choked blast
- Topic 7 Controlling the wall response** – Charge weight, crowding, shielding, measurement
- Topic 8 Practical applications of wall control** – design Implementation, damage-design link
- Topic 9 Practical take-aways** – 10 course take-aways

Course highlight: Evidence is given to show that dedicated Trim Blasts are not essential for the control of wall damage. In this regard, it is concluded that carefully Modified Production Blasts can be fired directly onto final walls if implemented in a controlled manner. Diagram on right shows the wall vibration level as Vector Peak Particle Acceleration (g) for a large number of intra-row (hole delay) and inter-row (row delay) combinations for a particular blast design. The cover page diagram on the left illustrates the stress profiles for top and bottom priming.

Who should attend: Drill and Blast Engineers, Blast Designers and Drill and Blast Superintendents, Geotechnical engineers/ geologists, and Mine planning engineers (with previous blast experience).

Course leaders: Dr Dane P Blair (Senior Principal Consultant) & Trevor N Little (Principal Consultant)



BGPL Services

Technical consulting
Training & seminars
Management support