

Publication NPC-119

Blasting

1. Scope
This Publication refers to limits on sound (concussion) and vibration due to blasting operations.
2. Technical Definitions
The technical terms used in this Publication are defined in Publication NPC-101 - Technical Definitions.
3. Measurement Procedures
All measurements of peak pressure level and vibration velocity shall be made in accordance with the "Procedure for Measurement of Sound and Vibration due to Blasting Operations" set out in Publication NPC-103 - Procedures, section 5.
4. Concussion - Cautionary Limit
Subject to section 5 the peak pressure level limit for concussion resulting from blasting operations in a mine or quarry is 120 dB.
5. Concussion - Peak Pressure Level Limit
If the person in charge of a blasting operation carries out routine monitoring of the peak pressure level, the peak pressure level limit for concussion resulting from blasting operations in a mine or quarry is 128 dB.
6. Vibration - Cautionary Limit
Subject to section 7, the peak particle velocity limit for vibration resulting from blasting operations in a mine or quarry is 1.00 cm/s.
7. Vibration - Peak Particle Velocity Limit
If the person in charge of a blasting operation carries out routine monitoring of the vibration the peak particle velocity limit for vibration resulting from blasting operations in a mine or quarry is 1.25 cm/s.