BLAST PROPAGATION OUTSIDE A TYPICAL UNDERGROUND AMMUNITION STORAGE SITE

SKJELTORP,A.T.;JENSSEN,A.;RINNAN,A.

A series of model tests are reported to investigate the blast wave propagation outside typical underground ammunition storage sites. Empirical fits of the data show that it is possible to express the static overpressure at a distance R from the exit and at an angle v from the extended centerline of the tunnel.
Comparing data obtained from models using TNT and compressed air as drivers, show qualitative agreement between the fitted parameters. The model data are compared with data obtained from large scale tests and reasonable agreement is found.