

DUST COLLECTION AT LARGE HIGH EXPLOSIVES TRIALS

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Inertial dust separator gauges, developed by the Transducer and Instrumentation section at AWE Foulness, have been deployed on large high explosives trials. Details of the design, testing and calibration of these gauges have been reported at MABS 11.

The paper presents an up-to-date assessment of collector performance. Variations of total mass collected and particle size distributions obtained at different gauge locations have been investigated. Differences in collector efficiency observed over different surface types, and a comparison of samples which were collected by gauges of different designs are discussed.