

## **AWE FOULNESS NUCLEAR BLAST SIMULATION: THE PROVISION OF A REPLACEMENT FACILITY**

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The Nuclear Weapons Effect Group at AWE Foulness is responsible for the development and operation of the Ministry of Defense (United Kingdom) nuclear blast and thermal simulation. These facilities and their development have been reported continuously at previous MABS Symposia, more recently the full range of thermal simulators and their performance was presented at MABS 10.

The performance of the Foulness Nuclear Blast Simulator (FNBS) has for some time fallen short of the nuclear hardness criteria required for UK Military materials and equipment. A replacement facility is therefore being considered.

This paper will discuss the shortcomings of the present facility, model scale work and numerical code work in support of the new simulator, together with our initial design concepts.