

## **AWRE FOULNESS NUCLEAR BLAST SIMULATOR WATER DROPLETS - AN ALTERNATIVE RWE**

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A water spray system is currently being installed in the AWRE Foulness Blast Simulator to investigate its effectiveness as a complete or partial „Rarefaction Wave Eliminator“ technique. A four meter length of the blast tunnel will be filled with a uniform spray of water droplets from a 36 nozzle system designed to present to the incident shock of a blast wave, air loaded up to 5 times the normal atmospheric density.

Preliminary results confirm optimism that this system will provide an effective low cost, easily operated RWE suitable for the end closure of large blast tube facilities. The design, installation and test results will be the subject of this paper.