

**AWRE FOULNESS COMBINED BLAST AND THERMAL RADIATION SIMULATOR:
INSTALLATION OF THE TRS IN THE BLAST TUNNEL**

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A large scale Thermal Radiation Simulator (TRS) has been in operation at AWRE since early 1983. At the beginning of 84 it was decided to incorporate a similar facility in the 35' section of the blast simulator to enable synergistic thermal and blast testing to be carried out. A feasibility study using a single nozzle TRS unit was completed in mid 1984.

The results of this feasibility study and the subsequent installation of a 3-nozzle TRS unit into the blast simulator will be presented. Details on the effect of the TRS on the blast tunnel, extraction of TRS products, effects on the blast wave and flux levels achieved will be given.