



INTERIM REPORT

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Monthly Highlights

for

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Thermal Hydraulic LMFBR Safety Experiments
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1. Thermal Hydraulic Reactor Safety Experiments

1.1 LWR Containment Steam Spike Phenomenology (T. Ginsberg)

Assembly of the apparatus and instrumentation continued. Preliminary cold particle drop experiments were performed to mechanically check out the system. No major problems were encountered.

Analytical modeling of the steam spike thermal interaction continued. A computer program has been written and debugged.

1.1 Heat Transfer in Core-Concrete Interactions (G.A. Greene)

Checkout of apparatus began. Evaluation of existing heat transfer models continued.

1.2 Dispersion in Internally Heated Boiling Pools (T. Ginsberg, H. Makowitz)

The informal report "A Study of the Feasibility of Microwave Dielectric Heating for LMFBR Transition Phase Accident Sequence Boiling Studies," BNL-NUREG-28961, has been completed. A copy was given to Dr. R. Wright on January 29, 1981.

Distribution Thermal Hydraulic LMFBR Development Program

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