

Sandia National Laboratories

Albuquerque, New Mexico 87185

July 30, 1984

Dr. Thomas J. Walker
Containment Systems Research Branch
U. S. Nuclear Regulatory Commission
7915 Eastern Avenue
Silver Springs, Maryland 20910

Dear Tom:

This letter summarizes the Severe Accident Sequence Analysis (SASA) Program Activities at Sandia during [REDACTED] *July 84*

Programmatic Activities

Andy Peterson will assume program responsibilities at Sandia in August. Allen Camp will continue to provide support and consultation to facilitate an orderly transition.

Thermal-Hydraulic Analysis Activities

PWR Large Dry Containments (Bellefonte): Work is continuing on preparations for Bellefonte containment calculations with CONTAIN and HECTR. Some scoping calculations have been completed using a single volume CONTAIN model. These calculations have been compared to MARCH2 calculations and show qualitatively similar behavior, but are significantly different quantitatively.

PWR Ice Condenser Containments (Watts Bar/Sequoyah): Revision of the draft report describing the containment pressure temperature response to a variety of accident sequences is nearly complete. The report should be submitted for publication before the end of September.

Upgraded Computational Capability Activities

MARCON: Draft documentation describing the MARCON links has been completed. Work is now in progress to modify MARCON to eliminate some inconsistencies in the way the codes are linked.

CONTAIN/HECTR: The SASA program is continuing to support and consult with the CONTAIN program in preparation for the Bellefonte calculations to begin this fall. Work to prepare

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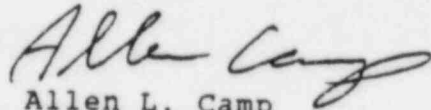
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links from MARCON to HECTR and CONTAIN and additional input decks will begin in August. Work is continuing on linking the MEDICI reactor cavity models to HECTR.

LTAS: Sandia and ORNL staff have made arrangements to send a version of LTAS to Sandia within the next few weeks.

Problems: There are none at this time.

Sincerely,



Allen L. Camp
Reactor Systems Safety Analysis
Division 6412

ALC:6411:cgt

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