

Sandia National Laboratories

Albuquerque, New Mexico 87185

May 2, 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] *APRIL 84*

Programmatic Activities

A. L. Camp has formally assumed the SASA program management responsibilities. His phone number is FTS 844-5960. Please address all future correspondence to him.

As you recall, the staff briefed you on the program during your visit to Sandia on April 11/12, 1984.

S. E. Dingman and A. L. Camp participated in the Containment Loads Mark III BWR Subgroup Meeting in Bethesda, Maryland, on April 30, 1984.

Two papers were accepted for the Containment Integrity Workshop sponsored by the NRC to be held in Washington, D.C., on June 13-15, 1984.

Thermal Hydraulic Analysis Activities

PWR Large Dry Containments (Bellefonte): The single volume CONTAIN model checkout was completed. Preliminary CONTAIN calculations were compared with MARCH-CORCON calculations. Differences between the results of the two calculations are readily explainable. No additional CONTAIN calculations

will be done until staff and an enhanced version of the code are available in August 1984. Between now and then, the MARCH-CORCON/CONTAIN interface will be completed. Work on the latter will start next month.

PWR Ice-Condenser Containments (Watts Bar/Sequoyah): No progress to report. The work has been temporarily preempted by Containment Loads Working Group tasks.

Containment Loads Working Group (CLWG) Support

All of the PWR ice condenser and BWR MK III calculations and some of the supporting documentation have been completed. These results are now being incorporated into the consensus reports. The BWR MK I & II calculations are completed. The initial results have been sent to Brookhaven National Laboratory (BNL) for comparison with the results from other contributors.

If there are no further action items from the CLWG subgroup meetings, CLWG support should be finished by the end of May.

Upgraded Calculational Capability Activities

MARCH-CORCON: Documentation of the MARCH-CORCON link is continuing and will be completed next month. The documentation and the code should be available in June should the British want them for their Sizewell "B" calculations.

CONTAIN/HECTR: The SASA and CONTAIN programs have agreed to mutually fund the University of Wisconsin to link the MEDICI M1, M2, M3, and HECTR codes together. The resulting capability will be used to verify MEDICI and as an interim tool for SASA calculations. There are no current plans for formal release of this code package.

Structural Analysis Activities

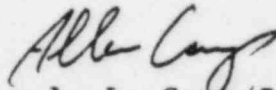
The management review of the NUREG report documenting the Watts Bar, Maine Yankee, and Bellefonte structural analyses is in progress.

The Bellefonte follow on scoping analysis is proceeding on schedule.

Problems

There are none at the current time.

Sincerely,



A. L. Camp/John H. Linebarger
Reactor Safety Technology
Division 6411

ALC:6411:cgt

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