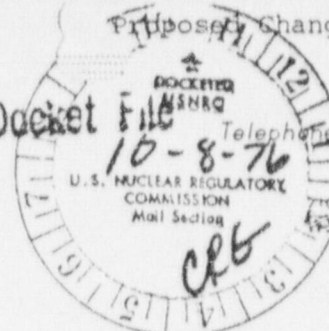
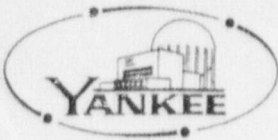
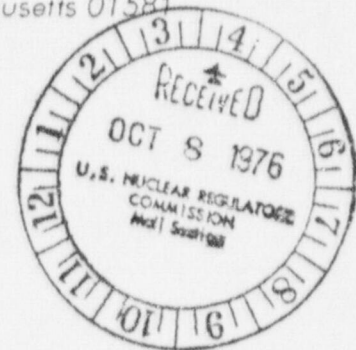


Regulatory Docket File

**YANKEE ATOMIC ELECTRIC COMPANY**

20 Turnpike Road Westborough, Massachusetts 01581

October 8, 1976



United States Nuclear Regulatory Commission
Washington, D. C. 20555

Attention: Office of Nuclear Reactor Regulation

Subject: Additional Core XII LOCA Analysis with Elevated
Upper Hemispherical Head Temperature

Reference: 1) License No. DPR-3 (Docket No. 50-29)
2) Technical Specification "Yankee Nuclear Power Station
Core XII Performance Analysis", (July 9, 1975)
3) Order for Modification of License, (August 27, 1976)
4) Letter from W. P. Johnson to USNRC, WYR 76-88,
(August 27, 1976)

Dear Sir:

Pursuant to Section 50.59 of the Commission's Rules and Regulations, Yankee Atomic Electric Company hereby proposes the following modifications to Appendix A to the Technical Specifications:

PROPOSED CHANGE: It is proposed that:

1. The attached Figure 8-1 replace the corresponding figure in Appendix A of the current operating Technical Specifications;
2. The attached Figure 3.2-1 replace the corresponding figure in Yankee Rowe Core XII Standard Technical Specifications;
3. The attached table of contents replace the corresponding table in Reference 2 above, and;
4. The attached Appendix C be added to Reference 2.

REASON FOR CHANGE: In response to your Order (Reference 3) of August 27, 1976, a re-analysis of the Loss of Coolant Accident (LOCA) has been completed. This re-analysis assumes that the initial coolant temperature in the upper head of the reactor vessel is equal to the reactor outlet temperature as described in the attached Appendix C.

The results of a re-analysis of the most limiting break size (0.6 DECLG) indicate, as previously reported (Reference 4), that a

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Frederic E. Greenman Notary Public
My Commission Expires October 6, 1978