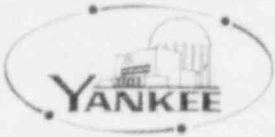


# YANKEE ATOMIC ELECTRIC COMPANY



1671 Worcester Road, Framingham, Massachusetts 01701

2.C.2.1  
FYR 82-89

September 8, 1982

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

Attention: Mr. Dennis M. Crutchfield, Chief  
Operating Reactors Branch No. 5  
Division of Licensing

References: (a) License No. DPR-3 (Docket No. 50-29)  
(b) USNRC Letter to YAEC, dated July 27, 1982  
(c) YAEC Letter to USNRC, dated October 31, 1980 (WYR 80-119)  
(d) YAEC Letter to USNRC, dated September 8, 1981 (FYR 81-132)

Subject: Environmental Qualification of Safety Related Electrical  
Equipment

Dear Sir:

Your letter, Reference (b), requested the submittal of additional information to complete your review regarding equipment located outside containment. The information requested is related to the bases, assumptions, and analysis of a typical pipe break location.

In Appendix III.2 of our letter, Reference (c), we provided an evaluation of service conditions for equipment required to mitigate high energy line breaks outside containment. This review demonstrated that the equipment required to mitigate the consequences of those pipe breaks is located in areas with non-hostile environments.

Attachment A to our letter, Reference (d), identifies equipment from the equipment Master List which is located in the harsh environments resulting from the line breaks and shows that the equipment in the harsh environment is not required to mitigate the break that caused the harsh environment.

Since these two previously submitted evaluations show that these pipe breaks do not cause a harsh environment for the equipment required to mitigate the effects of the breaks, it was not necessary to analyze these breaks for the purpose of determining the resultant temperature and pressure conditions. Therefore, the breaks have not been analyzed and the additional information which you requested is not available. It is our opinion that to perform these analyses to provide this additional information is neither necessary nor be cost beneficial.

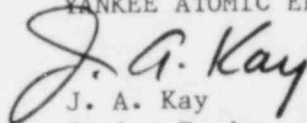
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United States Nuclear Regulatory Commission  
Page 2

We trust this information is satisfactory; however, if you have any questions, please contact us.

Very truly yours,

YANKEE ATOMIC ELECTRIC COMPANY

A handwritten signature in cursive script that reads "J. A. Kay". The signature is written in dark ink and is positioned above the printed name and title.

J. A. Kay  
Senior Engineer - Licensing