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December 16, 1982

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Docket No. 50-29  
LS05-82-12-035

W/O Enclosure 2  
NRC PDR WJohnston  
Local PDR PShemanski  
ORB Reading  
NSIC  
DCrutchfield  
HSmith  
JLyons  
OELD  
ELJordan  
JMTaylor  
ACRS (10)  
SEPB

Mr. James A. Kay  
Senior Engineer - Licensing  
Yankee Atomic Electric Company  
1671 Worcester Street  
Framingham, Massachusetts 01701

Dear Mr. Kay:

SUBJECT: SAFETY EVALUATION REPORT FOR ENVIRONMENTAL QUALIFICATION OF  
SAFETY-RELATED ELECTRICAL EQUIPMENT

Yankee Nuclear Power Station

This letter transmits the Safety Evaluation Report for the Environmental Qualification of Safety-Related Electrical Equipment at your facility. This evaluation is based on your responses to our previous Safety Evaluation Report, dated September 8, 1981 and February 1, 1982. This Safety Evaluation Report presents the results of the Environmental Qualification Review for Safety-Related Electrical Equipment, exposed to a harsh environment, in accordance with NRC requirements. We request that you provide your plans for qualification or replacement of the equipment whose qualification has not been demonstrated and the schedule for accomplishing your proposed corrective actions to us within ninety (90) days of the receipt of this letter.

As indicated in the conclusion section of the Safety Evaluation Report, we request that within thirty (30) days of receipt of this letter, you submit information for items in NRC categories I.B, II.A and II.B (presented in the enclosed Technical Evaluation Report) for which justification for continued operation was not previously submitted to the NRC. We suggest that the clarification set forth in item 8 of Generic Letter No. 82-09, "Clarification Questions and Answers on Environmental Qualification Requirements," should be considered in your justification for continued operation.

The Technical Evaluation Report (TER) contains certain identified information which you have previously claimed to be proprietary. We request that you inform us as indicated in the proprietary section of the Safety Evaluation Report whether any portions of the identified pages still require proprietary protection.

**Please Send Copy of XA to PDR**

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DSU USE EX(11) NP Portion  
PDR  
NSIC  
NTIS*

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Mr. James A. Kay

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At your option, the staff will be available to discuss the findings in the Safety Evaluation Report as augmented by the Technical Evaluation Report. Questions regarding this letter should be directed through the NRC Project Manager for your plant.

The reporting and/or recordkeeping requirements contained in this letter affect fewer than ten respondents; therefore, OMB clearance is not required under P.L. 96-511.

Sincerely,

Original signed by

Dennis M. Crutchfield, Chief  
Operating Reactors Branch #5  
Division of Licensing

Enclosures:

1. Safety Evaluation Report
2. Technical Evaluation Report -  
Proprietary Information  
(withheld from public  
disclosure)

cc w/o TER:  
See next page

OFFICE	DL: ORB #5	DL: ORB #5	DL: ORB #5				
SURNAME	JLyons:cc	HSmith	DCrutchfield				
DATE	12/15/82	12/15/82	12/16/82				

Mr. James A. Kay

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December 16, 1982

cc

Mr. James E. Tribble, President  
Yankee Atomic Electric Company  
1671 Worcester Road  
Framingham, Massachusetts 01701

Chairman  
Board of Selectmen  
Town of Rowe  
Rowe, Massachusetts 01367

Energy Facilities Siting Council  
14th Floor  
One Ashburton Place  
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U. S. Environmental Protection  
Agency  
Region I Office  
ATTN: Regional Radiation Representative  
JFK Federal Building  
Boston, Massachusetts 02203

Resident Inspector  
Yankee Rowe Nuclear Power Station  
c/o U.S. NRC  
Post Office Box 28  
Monroe Bridge, Massachusetts 01350

Ronald C. Haynes, Regional Administrator  
Nuclear Regulatory Commission, Region I  
631 Park Avenue  
King of Prussia, Pennsylvania 19406