

January 11, 1982

Docket No. 50-29
LS05-82-01-022

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

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Docket OI&E (3)
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GLainas



Dear Mr. Kay:

SUBJECT: ENVIRONMENTAL QUALIFICATION OF SAFETY-RELATED ELECTRICAL
EQUIPMENT REQUEST FOR ADDITIONAL INFORMATION

RE: YANKEE NUCLEAR POWER STATION (YANKEE ROWE)

We have completed a preliminary review of your response to our Safety Evaluation concerning the Environmental Qualification (EQ) of Safety-Related Electrical Equipment. Our contractor (Franklin Research Center) has identified information, in most cases references from your submittals, which we need in order to complete our review. This information should all be contained in your EQ central file. For this purpose, the requested information can be taken from your EQ central file and provided to our contractor. Upon completion of the review the information will be returned to you for replacement into the EQ central file.

We request that you supply this information to us within 30 days of the date of this letter. Please send a full submittal to Franklin Research Center (address in Enclosure 2) and a copy of the cover letter to us. Address the letter to the Operating Reactors Branch. Please contact your Project Manager for further assistance in this regard.

The reporting and/or recordkeeping requirements contained in this letter affect fewer than 10 respondents. Therefore, OMB clearance is not required under Public Law 96-511.

Sincerely,

Original signed by
Dennis M. Crutchfield

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

Enclosures:

1. Request for Additional Information
2. FRC Information

8201300141 820111
PDR ADDCK 05000029
PDR

cc w/enclosures:

See next page

OFFICE	DL:ORB#5/LA	DL:ORB#5 /PM	DL:ORB#5/C		
SURNAME	HSmith	RCaruso:rj	DCrutchfield		
DATE	1/17/82	1/18/82	1/11/82		

Mr. James A. Kay

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January 11, 1982

cc w/enclosure:

Mr. James E. Tribble, President
Yankee Atomic Electric Company
25 Research Drive
Westborough, Massachusetts 01581

Greenfield Community College
1 College Drive
Greenfield, Massachusetts 01301

Chairman
Board of Selectmen
Town of Rowe
Rowe, Massachusetts 01367

Energy Facilities Siting Council
14th Floor
One Ashburton Place
Boston, Massachusetts 02108

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

REQUEST FOR ADDITIONAL INFORMATION
BY THE OFFICE OF NUCLEAR REACTOR REGULATION
EQUIPMENT ENVIRONMENTAL QUALIFICATION

YANKEE ROWE

DOCKET NO. 50-29

1. In reference to the licensee's 90-day response (1) to the NRC SER (3) a legible single copy of each of the following qualification documents is requested in order that the FRC evaluation may proceed:
 - a. Report No. 02-0570-1066, "Environmental Qualification of Class 1E Electrical Equipment," EDS Nuclear, Inc.
 - b. Report: "Thermal Aging Analysis of Station Batteries for Class 1E Service at Yankee Nuclear Power Station" Acton Env. Tstg. Corp., 01-Sep-80 Report No. 15421-21
 - c. "Technical Reports and Qualification Data for Low Voltage, Control, and Instrumentation Electrical Penetrations," PEN-TR-79-07, dated January 25, 1979, Westinghouse Electric Corporation (PROPRIETARY)
 - d. "Technical Reports for Material Used in Modular Electrical Penetrations," PEN-TR-79-06, dated January 25, 1979 (Revision 1) (PROPRIETARY)
 - e. "Limitorque Valve Actuator Temperature Related to High Superheat Ambient Temperature," Report No. B0027, Revision A, 10/18/78
 - f. Acton Report No. 15421-26, "Analysis of 1E Qualification of Limitorque Valve Actuators for Yankee Nuclear Power Station," Rowe, Massachusetts
 - g. Report: Engineering Analysis YR-ADH-5, Radiation Dose Calculations
 - h. Report: Engineering Analysis YR-ADH-80-6, Radiation Dose Calculations
 - i. Qualification Type Test Data Report for Class 1E Victoreen High Range Containment Radiation Area Monitor System

- j. YAEC Report 1253, "Yankee Rowe Post LOCA Radiation Exposure Due to Fission and Activation Products in the Vapor Container," August 1981
- k. Qualification Test Report for Rosemount Pressure Transmitter, Model 1152, RMT Report 117415 (Revision B)
- l. Qualification Report for Class 1E Equipment CC-323.74-64 Rev. 2 dated January 30, 1980
- m. Acton Report No. 15421-24, "Thermal Aging of Generic Cable for Yankee Nuclear Power Station," dated December 12, 1980
- n. Generic Material Evaluation of Components Used in Nuclear Control Centers
- o. Westinghouse Electric Corp. Test Report No. PEN-TR-80-18, "Qualification Test Report for Marathon Series 300 Terminal Blocks Used on the Seabrook Plant Electrical Penetrations" March 10, 1980
- p. Acton Report No. 15421-23, "Thermal Aging of AK Series Breakers for Yankee Nuclear Power Station," dated 11/6/80
- q. YAEC Qualification Document Review Package QDR-5435-104-0351

References:

1. J. A. Kay
Letter to D. G. Eisenhower, NRC. Subject: Environmental Qualification
of Electrical Equipment - Response to Safety Evaluation Report for
Yankee Rowe
Yankee Atomic Electric Co., 08-Sep-81
FYR 81-132
2. Telephone Memorandum from FRC to R. Caruso (NRC)
08-Aug-81
3. Office of Nuclear Reactor Regulation
Safety Evaluation Report for Yankee Rowe
Environmental Qualification of Safety-Related
Electrical Equipment
NRC, 29-May-81
4. D. E. Vandenburg (YAEC)
Letter to D. G. Eisenhower, NRC. Subject: Response to Order
Requiring Information on EEQ of Electrical Equipment,
with YAEC Report No. YAEC-1227
Yankee Atomic Electric Co., 31-Oct-80
WYR-119
5. NUREG-0737, "Clarification of TMI Action Plan Requirements"
NRC, November 1980

FRC MAILING ADDRESS AND TELEPHONE INFORMATION

Mr. Cyril J. Crane
Franklin Research Center
The Parkway at Twentieth Street
Philadelphia, Pennsylvania 19103

Telephone No. 215/448-1353
Telecopy No. 215/448-1296
Telecopy Confirmation No. 215/448-1215