



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D. C. 20555-0001

February 24, 1994

Docket No. 50-29

MEMORANDUM FOR: John W. Craig, Deputy Director
Division of Engineering
Office of Nuclear Regulatory Research

FROM: Paul C. Shemanski, Sr. Electrical Engineer
License Renewal and Environmental Review
Project Directorate
Associate Director for Advanced Reactors
and License Renewal
Office of Nuclear Reactor Regulation

SUBJECT: MEETING BETWEEN THE NUCLEAR REGULATORY COMMISSION (NRC) AND
THE YANKEE ATOMIC ELECTRIC COMPANY (YAEC) REGARDING
ELECTRICAL CABLES

On February 10, 1994, representatives of the NRC and the YAEC met at the Yankee Rowe Nuclear Station (YRNS) in Rowe, Massachusetts. The purpose of the meeting was to discuss preliminary arrangements for the NRC to acquire electrical cables from the YRNS. Enclosure 1 is a list of the meeting attendees.

The NRC staff discussed their NRR Equipment Qualification Task Action Plan and its relationship to their RES EQ Research Program Plan. YAEC noted that DOE, through the Sandia National Laboratories, recently entered into a contract with YAEC to perform research on Yankee Rowe electrical cables that have been exposed to the service environment (naturally-aged cables). The purpose of this research is to validate the accelerated aging model which Sandia has developed.

The NRC staff stated that the cable work for the NRC should not interfere with work being performed for DOE. YAEC staff indicated that testing of cable insulation material properties for the NRC could be performed on site to the extent that YAEC is able to support such testing with qualified personnel.

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Most of the cable inside containment at Yankee Rowe is installed in conduit. A significant amount of the in-containment environmentally qualified cable was removed in the early 1980s and replaced. The cable removed was mineral-insulated cable used for instrumentation applications.

The YAEC will provide the NRC staff with a list of cables that would be available for in-situ testing and subsequent removal. The cable list will include information such as the year installed, cable design data, number of conductors, jacket, shield, and insulation information, etc. From this list, the NRC will identify candidate cables. The availability of cables in the mild environment and the cable storage area will also be determined at that time.

The NRC EQ Research Program Plan and cable test plan will be forwarded to the YAEC when they are approved.

The YAEC discussed several constraints regarding the release of cable samples to the NRC. The testing and removal of cable samples should not interfere with the Yankee Rowe decommissioning program, and costs for removing the cables will be reimbursed by the NRC.

Following the meeting, a brief plant tour was given to the NRC staff.

Paul C. Shemanski

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Project Directorate
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Enclosure:
List of Attendees

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LIST OF ATTENDEES
YAEC/NRC CABLE MEETING
AT YANKEE ROWE

FEBRUARY 10, 1994

NAME

ORGANIZATION

Roy Rossman	YAEC
Russ Mellor	YAEC
John Hazeltine	YAEC
Greg Babinean	YAEC
Bill Loomis	YAEC
Brian Darcy	YAEC
Norm St. Laurent	YAEC
Sorin Rosenberg	YAEC
John Craig	NRC
Chris Rourk	NRC
Paul Shemanski	NRC