

YANKEE ATOMIC ELECTRIC COMPANY

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November 30, 1989
BYR 89-172

United States Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

References: (a) License No. DPR-3 (Docket No. 50-29)
(b) "Methodology to Evaluate Plant Equipment for License Renewal," Nuclear Management and Resources Council, Inc., U.S. Department of Energy/Sandia National Laboratories, October 6, 1989.

Subject: YNPS Pilot Evaluation Report for Plant License Renewal

Dear Sirs:

Transmitted herein for your review is Yankee topical report YAEC-1710, "Yankee Nuclear Power Station Pilot Evaluation Report for Plant License Renewal". This report provides the application of a process for evaluating systems, structures, and components for license renewal. The methodology and criteria used are based on Reference (b).

The key objectives of the Pilot Evaluation Report are to demonstrate, through a formalized evaluation process, that:

- o All systems, structures, and components requiring license renewal evaluation are identified
- o Any potentially significant age-related degradation is recognized and properly managed.

As demonstrated in the report, these objectives have been met. Of the total 78 systems and 46 structures at Yankee, 43 systems and 27 structures were determined to require evaluation for license renewal. The potential for significant age-related degradation and the methods of managing degradation were assessed for the pilot systems and structures.

The components evaluated in the Pilot Evaluation Report are all related to the Safety Injection System. Included are SI fluid system components, SI I&C components, Emergency Electrical Power System components, and the structural components of the Primary Auxiliary Building, Diesel Generator Building, and the Battery Room No. 3 Building.

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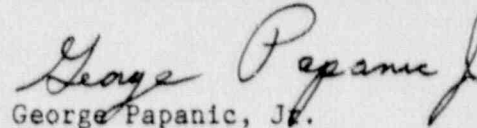
The methodology, criteria, and technical justification supporting the evaluation process are provided, as well as, examples of specific assessments, checklists, and other supporting information to allow the NRC Staff to conclude that the process used is both thorough and technically justified.

The Pilot Evaluation Report is a product of the Yankee Lead Plant License Renewal Project which is co-sponsored by Yankee, the U.S. Department of Energy, and the Electric Power Research Institute. An expedited review of the Pilot Evaluation Report is requested because the Pilot Report is the basis for ongoing reviews of other systems and structures.

We trust that you will find the attachment satisfactory; however, if you have any questions, please contact us.

Very truly yours,

YANKEE ATOMIC ELECTRIC COMPANY



George Papanic, Jr.
Senior Project Engineer
Licensing

GP/mts

Attachment

cc: USNRC Region I
USNRC Resident Inspector, YNPS
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