

June 14, 1989

Docket No. 50-029

Mr. George Papanic, Jr.
Senior Project Engineer - Licensing
Yankee Atomic Electric Company
580 Main Street
Bolton, Massachusetts 01740-1398

Dear Mr. Papanic:

SUBJECT: SAFETY EVALUATION FOR GENERIC LETTER 83-28, ITEM 4.5.3, REACTOR
TRIP RELIABILITY - ON-LINE FUNCTIONAL TESTING OF THE REACTOR
TRIP SYSTEM (TAC NO. 54039)

Generic Letter 83-28, Item 4.5.3, required confirmation from all licensees and applicants that on-line functional testing of the reactor trip system, including independent testing of the diverse trip feature, was being performed.

By letters dated November 5, 1983, January 13, 1984, and January 24, 1987 you submitted responses to Generic Letter 83-28, Item 4.5.2 and Item 4.5.3. The NRC staff, with the assistance of our contractor Idaho National Engineering Laboratory, has reviewed your responses.

By letter dated February 1, 1989 the staff issued a safety evaluation dealing with Item 4.5.2 which concluded that "the licensee's justification for not installing the modifications necessary to permit on-line testing of the Reactor Trip System at Yankee Rowe is acceptable, in view of the satisfactory history of reactor trip reliability at the plant, and the fact that the Yankee Rowe design uses the same power source for both the control rod holding coils and the RTB shunt trip attachments." We also conclude that the existing intervals for on-line functional testing at Yankee Rowe are consistent with achieving high reactor trip system availability.

The enclosed safety evaluation and contractor's report (EGG-NTA 8341), together with the safety evaluation dealing with Item 4.5.2, provide the details and basis for our conclusion. Therefore, we consider Generic Letter 83-28, Item 4.5.3 to be complete.

This completes all staff activities related to TAC No. 54039.

Sincerely,

Original signed by:

Morton B. Fairtile, Project Manager
Project Directorate I-3
Division of Reactor Projects I/II

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PDR ADDCK 05000029
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Enclosure:
As stated

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YR SE GL 83-28 TAC NO. 54039

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Mr. George Papanic, Jr.
Yankee Atomic Electric Company

Yankee Nuclear Power Station

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