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WYR 76-111

YANKEE ATOMIC ELECTRIC COMPANY

YANKEE

20 Turnpike Road Westborough, Massachusetts 01581

October 29, 1976

United States Nuclear Regulatory Commission Washington, D. C. 20555

8010310699

Attention: Office of Nuclear Reactor Regulation

Reference: (a) License No. DPR-3 (Docket No. 50-29)

- (b) Docket No. 50-29, "Summary of Meeting Held on September 14, 1976, to Discuss the Need for Onsite Testing to Ensure the Presence and Distribution of Poison Material Incorporated in the Proposed Spent Fuel Rack Expansion at Yankee Rowe," dated September 22, 1976.
- (c) Letter, D. E. Vandenburgh, Yankee Atomic Electric Company to NRC dated September 25, 1975, Proposed Change No. 131.

Dear Sir:

Per your request (Reference b) Yankee is submitting a summary of its QA Program for the poison material in the Yankee Rowe spent fuel racks.

We trust that this information is satisfactory. Should you have any questions do not hesitate to contact us.

Very truly yours,

YANKEE ATOMIC ELECTRIC COMPANY

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D. E. Vandenburgh Vice President

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YANKEE ATOMIC ELECTRIC COMPANY

Quality Assurance Program For Spent Fuel Rack Poison Material (Boral)

- Chemical Analysis of B4C for each batch of B4C used to make Boral plates.
- Certification of aluminum powder and aluminum plates used to make Boral plates.
- Samples of the core mixture of B_4C and the aluminum powder for each heat (two Boral sheets) are retained.
- Lot number for the B4C, aluminum powder and aluminum sheets used to make each sheet of Boral are maintained on "mix sheets."
- A sample of each Boral sheet is chemically analyzed to assure proper B4C content.
- A sample of each Boral sheet is retained for random independert analysis.
- Each Boral sheet has a unique serial number which are traceable to the mix sheets.
- All steps listed are performed in accordance with approved written procedures and/or process sheets by qualified personnel. Documentation is maintained of each inspection and/or process in detail.

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