

# YANKEE ATOMIC ELECTRIC COMPANY



20 Turnpike Road Westborough, Massachusetts 01581

October 29, 1976

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

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. Vandenburg, 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

D. E. Vandenburg  
Vice President

TMC/kg

11/1/76

8010870 699

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11/1/76

YANKEE ATOMIC ELECTRIC COMPANY

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

- Chemical Analysis of  $B_4C$  for each batch of  $B_4C$  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  $B_4C$ , 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  $B_4C$  content.
- A sample of each Boral sheet is retained for random independent 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.

50-29

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER

TO:  
  
N. R. 3.

FROM:  
Yankee Atomic Electric Company  
Westborough, Mass.  
D. E. Vandenburg

DATE OF DOCUMENT

10/29/76

DATE RECEIVED

11/1/76

LETTER  
 ORIGINAL  
 COPY

NOTORIZED  
 UNCLASSIFIED

PROP

INPUT FORM

NUMBER OF COPIES RECEIVED  
Three signed

DESCRIPTION

Ltr. w/attached...re 9/14/76 meeting and their 9/25/75 ltr.... concerning Quality Assurance Program for Spent Fuel Rack Poison Material (Boral) -

(2-P)

PLANT NAME:  
  
Yankee Rowe

ENCLOSURE

10/29/76

11/1/76

SAFETY	FOR ACTION/INFORMATION	ENVIRO	11/2/76	RJL
ASSIGNED AD:		ASSIGNED AD:		
<input checked="" type="checkbox"/> BRANCH CHIEF:	Schwencer (4)	BRANCH CHIEF:		
PROJECT MANAGER:		PROJECT MANAGER:		
<input checked="" type="checkbox"/> LIC. ASST.:	Shepard	LIC. ASST.:		
	VASSALLO			

INTERNAL DISTRIBUTION			
<input checked="" type="checkbox"/> REG FILE	SYSTEMS SAFETY	PLANT SYSTEMS	SITE SAFETY &
<input checked="" type="checkbox"/> NRC PDR	HEINEMAN	TEDESCO	ENVIRO ANALYSIS
<input checked="" type="checkbox"/> I & E (2)	SCHROEDER	BENAROYA	DENTON & MULLER
<input checked="" type="checkbox"/> OELD (2)		LAINAS	
<input checked="" type="checkbox"/> GOSSICK & STAFF (Ltr.)	ENGINEERING	IPPOLITO	ENVIRO TECH.
MIPC	MACCARRY	KIRKWOOD	ERNST
<input checked="" type="checkbox"/> CASE (Ltr.)	KNIGHT		BALLARD
HANAUER	SIHWEIL	OPERATING REACTORS	SPANGLER
HARLESS	PAWLICKI	STELLO	
			SITE TECH.
PROJECT MANAGEMENT	REACTOR SAFETY	OPERATING TECH.	GAMMILL
<input checked="" type="checkbox"/> BOYD	ROSS	EISENHUT	STEPP
P. COLLINS	NOVAK	SHAO	HULMAN
HOUSTON	ROSZTOCZY	BAER	
PETERSON	CHECK	<input checked="" type="checkbox"/> BUTLER	SITE ANALYSIS
MELTZ	<input checked="" type="checkbox"/> THORNBURG	GRIMES	VOLLMER
<input checked="" type="checkbox"/> HELTEMES (2)	AT & I		BUNCH
<input checked="" type="checkbox"/> SKOVHOLT (Ltr.)	SALTZMAN		J. COLLINS
	RUTBERG		KREGER

EXTERNAL DISTRIBUTION		CONTROL NUMBER
<input checked="" type="checkbox"/> LPDR: Greenfield, Mass.	NAT LAB:	BROOKHAVEN NAT LAB
<input checked="" type="checkbox"/> TIC:	REG. VIE	ULRIKSON (ORNL)
<input checked="" type="checkbox"/> NSIC:	LA PDR	
<input checked="" type="checkbox"/> ASL:	CONSULTANTS	
<input checked="" type="checkbox"/> ACBS 16 CYS HOLDING SENT: CAT. B. (11/2/76)		

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**POOR ORIGINAL**