



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

April 4, 1991

Docket Nos. 50-438  
and 50-439

LICENSEE: Tennessee Valley Authority

FACILITY: Bellefonte Nuclear Plant, Units 1 and 2

SUBJECT: SUMMARY OF FEBRUARY 19, 1991 MEETING WITH TVA ON DESIGN BASIS  
ACCIDENTS ANALYSIS AND EQUIPMENT QUALIFICATION FOR BELLEFONTE,  
UNITS 1 AND 2 (TAC NOS. 79273 AND 79274)

On February 19, 1991, the NRC staff met with the TVA staff to discuss two position papers submitted by TVA on February 4, 1991, in support of its plans to reactivate the licensing process of Bellefonte, Units 1 and 2. Enclosure 1 lists the meeting attendees.

The first position paper (Enclosure 2) addressed TVA's position on the scope of the requirements for qualification of electrical equipment important to safety, and an alternative methodology for calculating the peak containment temperature resulting from a main steam line break inside containment. Based on TVA's presentation and subsequent discussions, the NRC staff informed TVA that any electrical equipment qualified to NUREG-0588 Category II guidelines, which fails during testing, should be replaced with equipment qualified to Category I requirements of NUREG-0588. The TVA staff indicated that if the staff were to formally take this position, TVA would consider it a backfit. The TVA staff stated that since the Bellefonte plant's construction permit safety evaluation was issued before July 1, 1974, the Commission's Statement of Policy (48 FR 2730) permits replacement equipment qualification to Category II requirements. However, TVA will make every effort to qualify the replacement equipment to Category I requirements if acquisition of suitable equipment does not adversely affect the Bellefonte's construction schedule. The resolution of the equipment qualification category issue was deferred to future discussions and correspondence.

The position paper also presents a revised method for calculating peak containment temperature for equipment qualification requirements. The NRC staff informed the TVA staff that substantial review effort will be required to review TVA's methodology. The staff members at the meeting indicated that they could not justify such review resources for Bellefonte review due to competing demands of other programs. The staff promised TVA that it will discuss the question of Bellefonte priority with the NRC management.

The second position paper discussed during the February 19, 1991 meeting related to the NRC staff's review of TVA's February 4, 1991 position paper on FSAR Accident Analysis (Enclosure 3). The TVA staff stated that it plans to revise the analysis of Bellefonte LOCA events using the RELAP/MOD2-B&W computer code. With regard to the analyses of non-LOCA events, the TVA staff plans to

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*Memo 4*

revise some analyses described in the FSAR, will analyze some new events, and will not reanalyze those non-LOCA events that are not affected by subsequent regulatory changes.

The position paper also contained TVA's schedule for submittal and desired NRC approval of Topical Reports describing computer code methodology, evaluation model, and evaluation results. The staff requested that TVA revise the schedule dates of NRC approval of topical reports to allow NRC a minimum of 28 months for topical report approval. Additionally, TVA should provide its rationale for not reanalyzing some of the non-LOCA accidents. TVA agreed to provide a response to the NRC staff requests.

Original signed by

Mohan C. Thadani, Project Manager  
Project Directorate II-4  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Enclosures:

1. Attendance List
2. Position Paper of  
February 4, 1991  
on Equipment  
Qualifications
3. Position Paper of  
February 4, 1991  
on Accident Analysis

cc w/enclosure:  
See next page

OFC	: PDII-4/LA	: PDII-4/PM	: PDII-4/DD	: PDII-4/D	:
NAME	: MKrebs <i>mk</i>	: MThadani:as	: SBlack	: FHebdon	:
DATE	: 4/2/91	: 4/3/91	: 4/3/91	: 4/4/91	:

Meeting Summary, Memoranda for Trip Reports or Site Visits

Docket File

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Local PDR

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J. Partlow 12-G-18

S. Varga 14-E-4

G. Lainas 14-H-3

F. Hebdon

S. Black

M. Krebs

M. Thadani

B. Wilson RII

J. Weschelberger 17-G-21

G. Walton RII

K. Barr RII

OGC 15-B-18

E. Jordan MNBB-3701

ACRS (10)

G. Hubbard

J. Lyons

H. Walker

J. Kudrick

M. Caruso

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NRC-TVA MEETING

BELLEFONTE NUCLEAR PLANT

FEBRUARY 19, 1991

ATTENDEES

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Jim Lyons  
Harold Walker  
Jack Kudrick  
Mark A. Caruso  
Frank Orr  
Jeffery C. Seals  
Bob Bryan  
Malcolm Phillips  
Randy H. Ellison  
Chris Schieck  
Herb Estrada  
Bruce Schofield

ORGANIZATION

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