

OCT 3 1973

DOCKET NOS.: 50-438 AND 50-439

APPLICANT: TENNESSEE VALLEY AUTHORITY (TVA)

FACILITY: BELLEFONTE NUCLEAR PLANT, UNITS 1 AND 2

SUMMARY OF MEETING HELD ON SEPTEMBER 14, 1973 TO DISCUSS HIGH ENERGY LINE BREAKS OUTSIDE OF CONTAINMENT AND POSSIBLE STANDARDIZATION OF THE BELLEFONTE DESIGN FOR FUTURE TVA PLANTS

On September 14, 1973, representatives of TVA and their NSSS, B&W, met with the Regulatory staff to discuss the interpretation and applicability of the criteria contained in our July 12, 1973 letter to TVA concerning postulated high energy line breaks outside of containment. Possible standardization of the Bellefonte design for future TVA plants was also discussed.

A list of attendees is enclosed.

Significant points discussed are summarized below:

1. Applicability of the July 12, 1973 Criteria to Bellefonte

The original criteria (issued in letters dated in December 1972 and signed by A. Ciambusso) are to apply to plants whose design are significantly complete, whereas, the July 12 criteria are to apply to plants not yet on paper. This was interpreted as the original criteria applying to plants whose applications were submitted prior to July 12, 1973. Since the Bellefonte application was submitted on May 15, 1973, the original criteria would apply to Bellefonte. TVA indicated that the Bellefonte design would incorporate some of the features sought in the July 12, 1973 criteria since this matter had been considered during the design.

2. Interpretation of July 12 Criteria

TVA expressed their intention to develop a detailed design document for Bellefonte after obtaining staff clarification on interpretation of these criteria. The meanings of certain words and phrases in the criteria; such as "during normal reactor operation" and "cold shutdown" were elaborated upon in these discussions. Acceptable assumptions for

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"non-qualified" systems were discussed. Any credit for operator action or offsite power was described as depending on the timing of the events and should be evaluated on a case-by-case basis. The nature of postulated breaks and their assumed location were also discussed in some detail. TVA expects to apply the appropriate criteria to the Bellefonte design in the next several weeks and may request another meeting then to discuss any specific questions on application of the criteria.

3. Standardization of the Bellefonte Design

TVA and B&W expressed interest in how any duplicate plants to the Bellefonte design would be reviewed by the AEC. Specifically, they were interested in how new criteria, which were not incorporated in the Bellefonte plant, would be treated in duplicate plants. The staff indicated that such matters would have to be considered on a case-by-case basis.

Original Signed by
Donald K. Davis

Don K. Davis, Project Manager
Pressurized Water Reactors Branch 4
Directorate of Licensing

Enclosure:
List of Attendees

- DISTRIBUTION:
 ✓ Docket File (2)
 AEC PDR
 Local PDR
 L Rdg File
 RP Rdge File
 PWR-4 Rdg File
 RCDeYoung
 JHendrie
 RO (3)
 RWKlecker
 ASchwencer
 ISihweil
 TR ADs
 TR BCs
 RP ADs
 RP BCs
 DDavis
 EGoulbourne

- OGC
 ACRS (16)
 GDittman
 JKnight
 DFisher
 RMaccary
 WHaass

OFFICE ▶	x7548/L:PWR-4				
SURNAME ▶	<i>DKD</i> DKDavis:cjr				
DATE ▶	10/2/73				

MEETING HELD ON SEPTEMBER 14, 1973
BELLEFONTE NUCLEAR PLANT, UNITS 1 AND 2

LIST OF ATTENDEES

Atomic Energy Commission

D. Davis
J. Knight
R. Klecker
D. Fisher
R. Maccary*
W. Haass*
A. Schwencer*

Tennessee Valley Authority (TVA)

R. C. Steffy, Jr.
C. Michelson
P. Evans
J. S. Belk
W. A. English
T. E. Spink
J. A. Raulston
E. G. Beasley
R. D. Guthrie
C. S. Walker

Babcock & Wilcox (B&W)

E. Swanson
A. McBride
J. Minarick
J. McFarland
W. J. Keyworth
J. Anderson

*Part-time attendance.