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In the Matter of the Application of) Docket Nos. 50-438 Tennessee Valley Authority) 50-439

During a May 11, 1976, conference call with the NRC staff, TVA presented a discussion of the proposed main steam and feedwater penetration design, related restraint concept, and an interpretation of the inservice inspection (ISI) requirements for the flued head/process piping welds at Bellefonte and Yellow Creek Nuclear Plants. The conference call was held to clarify the requirements of section 2 of the letter from Karl Kniel to James E. Watson dated February 19, 1976, as it applies to the ISI requirements for the Bellefonte and Yellow Creek main steam and feedwater flued head/process piping welds. The NRC representatives involved in the conference call were in general agreement with TVA's interpretation of the flued head/process piping ISI requirements. However, the NRC requested that TVA submit a written description of the Bellefonte main steam and feedwater piping layout, restraint concept, penetration design, and TVA's interpretation of the specific ISI requirement for NRC review. A description of pertinent portions of the proposed Bellefonte main steam feedwater design and TVA's interpretation of the subject ISI requirements are presented below.

The pertinent portions of the proposed main steam and feedwater systems with approximate dimensions, elevations, and restraint locations are shown in Figures A through D. A typical main steam or feedwater penetration detail, with the suggested "weld subject to ISI exemption" noted, is provided in Figure E.

It is TVA's position that it is consistent with the intent of section 2 of the referenced letter that the subject weld be exempt from ISI if restraints, as required, are provided to mitigate the effects of a postulated break at that point. TVA plans to mitigate the effects of a break at the subject weld. The main steam and feedwater isolation valves are located on the opposite side of an anchor from this weld and would not be affected by a break at the weld. On this basis TVA requests ISI exemption for the subject weld.



Mr. Karl Kniel

JUN 1 0 1976

TVA would appreciate an expeditious review and ruling on this proposal since this ruling could have a significant effect on the crucial procurement of the Bellefonte main steam and feedwater penetrations. TVA also intends to apply this ruling to the ISI requirements for Yellow Creek Nuclear Plant.

-2-

Very truly yours,

E. Gilleland J.

Assistant Manager of Power

Enclosures

CC: Mr. James McFarland Senior Project Manager Babcock & Wilcox Company P.O. Box 1260 Lynchburg, Virginia 24505







3. Dimensions are approximate.





TYPICAL PENETRATION WITH GUARD PIPE, BELLEFONCE NUCLEAR PLANE

MAIN STEAM AND FEEDWATER LINES

FIGURE E