

MAY 24 1974

Docket Nos. 50-438  
and 50-439

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5 extra cps

Tennessee Valley Authority  
ATTN: Mr. James E. Watson  
Manager of Power  
818 Power Building  
Chattanooga, Tennessee 37401

Gentlemen:

One copy of the Safety Evaluation prepared by the Directorate of Licensing relating to your Bellefonte Nuclear Plant, Units 1 and 2, is enclosed for your information.

A number of issues, identified during the review, remain outstanding. These issues are briefly described in Enclosure 1. References to pertinent sections in the SER are also provided for further information.

Four additional copies will be sent to you when they are available from the printers.

Sincerely,

Original Signed

A. Schwencer, Chief  
Light Water Reactors Br. 2-3  
Directorate of Licensing

Enclosures:

1. Outstanding Issues
2. Safety Evaluation Report

ccs: Mr. R. H. Marquis  
General Counsel  
629 New Sprakle Building  
Knoxville, Tennessee 37902

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APPL. LB

OFFICE >	LWR 2-3	LWR 2-3	OGC	L:C/LWR 2-3
SURNAME >	EIGoulbourne : kmf	DKDavis	ASchwencer	
DATE >	5/23 174	5/23 174	5/24 174	5/30 174



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ENCLOSURE 1  
OUTSTANDING ISSUES  
SAFETY EVALUATION REPORT  
BELLEFONTE NUCLEAR PLANT, UNITS 1 AND 2

1. Issues for which our review is not completed and for which completion will be required prior to issuance of the construction permit or as an appropriate condition of the construction permit.
  - a. Verification of atmospheric diffusion estimates and conformance with Regulatory Guide 1.23 (Section 2.3.6).
  - b. Confirmation of the intake channel slope stability and a report from our advisors, the U.S. Geological Survey and the Corps of Engineers (Section 2.5 and 7.5.4).
  - c. Substantiation of the use of the soil-spring method for soil-structure interaction of the BWST (Section 3.8).
  - d. Requirement for functionality of instrumentation used to follow the course of an accident (Section 7.5).
  - e. Revised financial information concerning the estimated cost of the facility (Section 20).
  
2. Issues for which our review is expected to extend beyond the date of issuance of the construction permit. (We believe these issues may be satisfactorily reviewed well within the time required to construct and to issue operating licenses for the facility. The issues involve problems that are generic in nature.)
  - a. Generic review of B&W's Mark C (17 x 17) fuel assembly design (Section 1.7).
  - b. Confirm the adequacy of turbine missile protection (Section 3.5).
  - c. Generic review of B&W's new reactor protection system, RPS-II design (Section 7.2).
  - d. Generic review of the acceptability of replacing the high reactor building pressure trip with a low pressurizer level trip (Section 7.2).