

Docket Nos. 50-438
and 50-439

JAN 28 1974

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

Gentlemen:

In order that we may continue our review of your application for a license to construct the Bellefonte Nuclear Plant, Units 1 and 2, additional information is required. The information requested is described in the enclosure and pertains to Chapter 2 of the Preliminary Safety Analysis Report.

In order to maintain our licensing review schedule, we will need a completely adequate response to all enclosed requests by February 25, 1974. Please inform us within 7 days after receipt of this letter of your confirmation of the schedule date or the date you will be able to meet. If you cannot meet our specified date or if your reply is not fully responsive to our request, it is highly likely that the overall schedule for completing the licensing review for the project will have to be extended. Since reassignment of the staff's efforts will require completion of the new assignment prior to returning to this project, the extension will most likely be greater than the delay in your response.

Please contact us if you have any questions regarding the information requested.

Sincerely,

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

Enclosure:
Request for Additional Information

ccs: See Next Page

OFFICE >	LWR 2-3	L:CALWR 2-3	SAB RB M	LIC/SAB		
SURNAME >	DKDavis:kmf	ASchwencer	R. McMullen	W. Gammill		
DATE >	1/25/74	1/28/74	1-26-74	1/28/74		

LB

James E. Watson

- 2 -

JAN 28 1974

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

William E. Garner, Esquire
Route 4
Scottsboro, Alabama 35768

Mr. Lyle A. Taylor
3301 Helena, NW
Huntsville, Alabama 35810

bcc: E. G. Beasley, Jr.
307 U.B.A.
Tennessee Valley Authority
Knoxville, Tennessee 37902

Mr. James McFarland
Senior Project Manager
Babcock & Wilcox Company
Power Generation Division
P. O. Box 1260
Lynchburg, VA 24505

OFFICE ➤						
SURNAME ➤						
DATE ➤						

REQUEST FOR ADDITIONAL INFORMATION
TENNESSEE VALLEY AUTHORITY
BELLEFONTE NUCLEAR PLANT, UNITS 1 AND 2
DOCKET NOS. 50-438 AND 50-439

2.0 SITE CHARACTERISTICS

2.80 In regard to Figure 2.5-3 (Amendment 5), Geologic map of plant site, provide the following information:

- (a) Explain what is meant by "assumed contact" in the legend. Indicate whether the stratigraphic contact is assumed but its location is known, or whether the contact is known but its location is uncertain.
- (b) It seems strange that although more than two dozen outcrops are shown in the hills southeast of the plant site, only three strike and dip symbols are shown. This is important because the Och-Srm contact indicates reversal of dip. Resolve this inconsistency.
- (c) Between points approximately 1,000 feet, S. 50° E., and approximately 2,000 feet, S. 30° E., from the plant site the Och-Srm contact shows a dip of 8°-9° to the west-northwest, which does not accord with any dip and strike symbol. Further, approximately 2,000 feet nearly due east of the plant site a symbol shows the dip to be 18° to the southeast; the nearest stratigraphic contact just to the west in this vicinity, however, does not indicate more than about 8° dip to the southeast. Resolve these inconsistencies.
- (d) It seems that the area northeast of the arm of Guntersville Lake about 4,000 feet east-northeast of the plant site has not been examined, because only one outcrop is evident compared with the area southeast of the arm. Provide the result of your examination of this area.