

August 10, 1988

Docket No. 50-260

Distribution

~~Docket File~~

Mr. S. A. White
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Dear Mr. White:

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION - CABLE AMPACITY PROGRAM
PLAN - TENNESSEE VALLEY AUTHORITY, BROWNS FERRY NUCLEAR PLANT, UNIT 2
(TAC 62260)

The staff has reviewed the Tennessee Valley Authority (TVA) Cable Ampacity Program Plan for Browns Ferry, Unit 2, submitted by letter of July 7, 1988. We find that additional information is necessary to enable the staff to complete its review of the subject program. Please transmit your responses to the request for additional information enumerated in Enclosure 1 by September 15, 1988. If you have any questions, please call Mr. David H. Moran, Project Manager on (301) 492-0766.

The reporting and/or recordkeeping requirements contained in this letter affect fewer than ten respondents; therefore, OMB clearance is not required under P.L. 96-511.

Sincerely,
Original Signed by
Geräld E. Gears for

Suzanne C. Black, Assistant Director
for Projects
TVA Projects Division
Office of Special Projects

Enclosure:
Request for Additional Information

cc w/enclosure:
See next page

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Enclosure

Request for Additional Information

Cable Ampacity Program Plan

Tennessee Valley Authority

Browns Ferry Nuclear Plant, Unit 2

Docket No. 50-260

By letter dated July 7, 1988, TVA submitted Revision 1 to the Cable Ampacity Program Plan. The staff requires TVA responses to the following informational requests in order to complete its review of the subject Program:

- (1) Section 4.2 - IMPLEMENTATION OF SAMPLING PLAN:
V4, V5 Sampling Approach: This paragraph is in conflict with the statement made in Sections 4.4 and 7.0 which discusses 100 percent evaluation for these cables. If 100 percent evaluation is not performed, then provide the detail of the sampling approach so that the staff can review it for acceptability.
- (2) Section 4.2 - IMPLEMENTATION OF SAMPLING PLAN:
V3 Approach: Explain the basis for allowing a control cable of #14 size to carry up to 6 amps before being designated as control power. Also Attachment 1 of the July 7, 1988 submittal states that a calculation is being performed by DNE to substantiate the above assumption. Provide the calculation for the staff's review.
- (3) Section 4.3 - VERIFICATION OF RACEWAY CONFIGURATION: Confirm that raceway walkdown is being conducted to verify raceway configuration prior to any analysis. For the statement, "Where discrepancies exist between the cable schedule and the walkdown data, further investigation is being conducted to resolve the discrepancies," discuss the kind of investigation that will be performed.
- (4) Section 4.4 - EVALUATE CABLES AND CONDUCT 100 PERCENT REVIEW IN AREAS OF COMMON CAUSE DEFICIENCIES: 100 percent review in areas of common cause deficiencies. Explain the meaning and scope of the areas of common cause deficiencies.
- (5) Section 4.5 - PERFORMANCE OF CALCULATIONS: Explain the differences between load diversity and time diversity of load and how they are applied in the calculation. Provide a sample calculation where these factors have been applied.
- (6) Section 4.5 - PERFORMANCE OF CALCULATIONS: Provide the details of how hot spot determination is made in the raceway and the criteria for determining that hot spots are not a problem in certain situations and the basis for such criteria.

- (7) Section 4.9 - TEST PROGRAMS: Provide the schedule for the flame-mastic derating research and how this research will be applied in the present program.
- (8) Section 6.0 - PROGRAM DOCUMENTATION: Explain the basis for accepting cables which are not sized in accordance with DS-E 12.6.3. Provide the criteria on which the exception request will be based. Provide a copy of design criteria BFN-50-758.

Mr. S. A. White
Tennessee Valley Authority

Browns Ferry Nuclear Plant
Units 2

cc:
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