

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

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March 29, 1985

U.S. Nuclear Regulatory Commission  
Region II  
Attn: Dr. J. Nelson Grace, Regional Administrator  
101 Marietta Street, NW, Suite 2900  
Atlanta, Georgia 30323

Dear Dr. Grace:

BELLEFONTE NUCLEAR PLANT UNIT 1 - RESPONSE TO VIOLATION 50-438/85-04-01 -  
CABLE TERMINATED ON THE WRONG TERMINAL BOARD

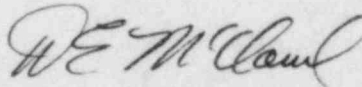
This is in response to R. D. Walker's letter dated February 27, 1985  
report numbers 50-438/85-04, 50-439/85-04 concerning activities at the  
Bellefonte Nuclear Plant which appeared to have been in violation of NRC  
regulations. Enclosed is our response to the citation.

If you have any questions concerning this matter, please get in touch with  
R. H. Shell at FTS 858-2688.

To the best of my knowledge, I declare the statements contained herein are  
complete and true.

Very truly yours,

TENNESSEE VALLEY AUTHORITY



D. E. McCloud  
Nuclear Engineer

Enclosure

cc (Enclosure):

Mr. James Taylor, Director  
Office of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Records Center  
Institute of Nuclear Power Operations  
1100 Circle 75 Parkway, Suite 1500  
Atlanta, Georgia 30339

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ENCLOSURE

BELLEFONTE NUCLEAR PLANT UNIT 1  
RESPONSE TO SEVERITY LEVEL IV VIOLATION  
50-438/85-04-01  
CABLE TERMINATED ON THE WRONG TERMINAL BOARD

Description of Deficiency

10 CFR 50.54(a)(1) requires the Tennessee Valley Authority (TVA) to implement the Quality Assurance Program described or referenced in its Safety Analysis Report. Section 17.1.5 of the TVA QA Program requires that documented instructions be implemented for all activities affecting quality. BNP-QCP 3.4, revision 4, paragraph 6.4.2, requires the inspector to certify that the installation complies with the termination portions of this procedure by signing and dating the termination slip. The termination slip for cable INC-ECA2-97-8 was signed on January 20, 1982.

Contrary to the above, procedures were not adequately implemented in that the cable was terminated on terminal board AM and not the required terminal board AL.

TVA Response

1. Admission or Denial of the Alleged Violation

TVA admits the violation occurred as stated.

2. Reason for Violation

A lack of identification of the terminal boards by the manufacturer resulted in the incorrect termination to the terminal board AM in the panel by the Bellefonte Nuclear Plant (BLN) craft personnel. Subsequently, BLN Electrical Quality Control (EQC) personnel failed to detect the incorrect termination because of the lack of identification.

3. Corrective Steps Taken and Results Achieved

Nonconformance report (NCR) 3897 was prepared to document the incorrect termination. This deficiency has been reworked per BLN quality control procedure (QCP) 10.6, "Work Release," and NCR 3897 has been closed.

4. Corrective Steps Taken to Avoid Further Noncompliance

TVA believes that this is an isolated case based on results of audits previously performed weekly by the EQC internal audit program and past performance of the functional test program. No significant problems have been identified regarding cables being terminated on the wrong terminal board. In the early stages of construction there was a problem with identification of terminal blocks in these particular pieces of equipment. An intensive effort to correct this problem was conducted by the

BLN Electrical Engineering Unit (EEU) which consisted of providing labels which clearly identify the terminal boards. The incorrect cable termination identified by the inspector would have been identified when the functional test was performed (in accordance with requirements of construction test procedure (CTP) 3.17, test 20).

5. Date When Full Compliance Will Be Achieved

TVA is now in full compliance.