

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

USNRC REGION II
ATLANTA, GEORGIA

81 NOV 2 AIO: 38

October 29, 1981

Mr. James P. O'Reilly, Director
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Region II - Suite 3100
101 Marietta Street
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

BELLEFONTE NUCLEAR PLANT UNIT 2 - RESPONSE TO VIOLATION 50-439/81-22-01 -
CABLE ROUTING OR TAGGING DOES NOT AGREE WITH CABLE PULL CARD

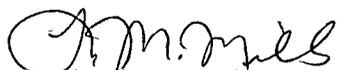
This is in response to R. C. Lewis' letter dated October 2, 1981, report
numbers 50-438/81-22, 439/81-22, concerning activities at the Bellefonte
Nuclear Plant which appeared to have been in violation of NRC regulations.
Enclosed is our response to the citation.

If you have any questions concerning this matter, please get in touch with
R. H. Shell 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



L. M. Mills, Manager
Nuclear Regulation and Safety

Enclosure

cc: Mr. Victor Stello, Director (Enclosure)
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, DC 20555

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ENCLOSURE

BELLEFONTE NUCLEAR PLANT UNIT 2
SEVERITY LEVEL VI VIOLATION
CABLE ROUTING OR TAGGING DOES NOT AGREE
WITH CABLE PULL CARD
VIOLATION 50-439/81-22-01

Description of Violation

10 CFR 50, Appendix B, Criterion V as implemented by FSAR Section 17.1A.5 requires activities affecting quality be accomplished in accordance with documented procedures. Quality Control Procedure (QCP) 3.4 requires that the QC inspector shall verify that the cables are properly routed.

Contrary to the above, on September 9, 1981, activities affecting quality were not accomplished in accordance with documented procedures in that safety-related electrical-power cables 2EI-ECA4-8-S and 2EI-ECA4-2-S were not routed as detailed on the cable pull slips but had been signed off by the QC inspector as being properly routed. These cables are in the 480-V Class IE AC Auxiliary Power Distribution System.

Admission or Denial of the Alleged Violation

TVA admits the violation occurred as stated.

Reason for Violation

While being terminated, cables 2EI-ECA4-2-S and 2EI-ECA4-8-S were tagged incorrectly. These cables are parallel feeds between 480V switchgear 2EI-ELVS-24-A and 2EI-ELVS-28-B, routed in parallel conduits. At the "TO" end of the cables in 2EI-ELVS-28-B, 2 of the 3 conductors of each cable were labeled incorrectly. The phasing was not affected by this mistake. However, at the time of QA inspection, there was an apparent failure to follow procedure in that this error was not detected.

Corrective Action Taken and Results Achieved

Quality Control Investigation Report 12,681 was written on September 9, 1981, to document the subject deficiency. Work release No. 23,703 was then prepared to lift cables 2 and 8 in order to investigate/correct the deficiency. The cables were found to be routed correctly but tagged incorrectly. The tags were then corrected and the associated work release was closed on September 11, 1981. Inspection of three similar cable installations showed those cables to be tagged correctly.

Steps Taken to Avoid Further Violations

Termination inspectors have been cautioned to follow the requirements of BNP-QCP 3.4 for verification of cable routing and correct identification (tagging). In addition, the individual inspector involved in this specific deficiency has been reinstructed in the requirements of BNP-QCP 3.4.

Date of Full Compliance

Concerning this violation, Bellefonte was in full compliance as of September 11, 1981.