

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401  
400 Chestnut Street Tower II

July 10, 1980

50-438  
MAL

80-249-000

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 UNITS 1 AND 2 - NAMCO LIMIT SWITCHES ON DAMPER  
ACTUATOR ASSEMBLIES - NCR 1199 - FINAL REPORT

The subject nonconformance was initially reported to NRC-OIE Inspector  
R. W. Wright on June 11, 1980, in accordance with 10 CFR 50.55(e).  
Enclosed in our final report. We consider 10 CFR Part 21 to be  
applicable to this nonconformance.

If you have any questions concerning this matter, please get in touch  
with D. L. Lambert at FTS 857-2581.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

L. M. Mills, Manager  
Nuclear Regulation and Safety

Enclosure

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

8009120293

ENCLOSURE

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2  
NAMCO LIMIT SWITCHES ON DAMPER ACTUATOR ASSEMBLIES  
10 CFR 50.55(e) - NCR 1199  
FINAL REPORT

Description of Deficiency

NAMCO type 170-42100 and 170-41100 limit switches, which are vendor supplied by American Warming and Ventilating Company, mounted on the air duct damper actuator assemblies, will not operate mechanically according to the physical layout shown on vendor drawings. The switches require opposite direction of shaft rotation to actuate electrical contacts.

Safety Implications

Safe operation of the damper would not have been affected; however, status indication in the Main Control Room would not have been correct. This incorrect status indication could have resulted in confusion to the operator and, therefore, could have resulted in degradation of the safe operation of the plant.

Corrective Action

The vendor has revised all drawings to show a proper physical layout.

TVA is in the process of revising cable termination, schematic and conduit drawings to reflect changes in vendor drawings.

TVA will make appropriate field changes to hardware as required.

Vendor drawings were submitted and approved on May 16, 1980.

TVA drawings will be complete by August 12, 1980.

Field changes will be completed upon completion of the documentation changes for the systems affected.

PART 21 IDENTIFICATION NO. 80-249-000 COMPANY NAME TUA

DATE OF LETTER 7/10/80 DOCKET NO. 50-438; 50-439

DATE DISTRIBUTED 7/16/80 ORIGINAL REPORT  SUPPLEMENTARY

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LPDR

TERA

TERA

ACTION:

PRELIMINARY EVALUATION OF THE ATTACHED REPORT INDICATES LEAD RESPONSIBILITY FOR

FOLLOWUP AS SHOWN BELOW:

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