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 RECIP. NAME RECIPIENT AFFILIATION
 O'REILLY, J.P. Region 2, Atlanta, Office of the Director

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SUBJECT: Third interim deficiency rept re ITT incorrect selection of actuators for dampers. Caused by erroneous selection charts misrepresenting thrust delivery to damper assembly.

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 TITLE: Construction Deficiency Report (10CFR50.55E)

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TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

September 23, 1980

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 - ITT CONTROLS OF AWV DAMPERS -
NCR BLN MEB 8001 (FORMERLY NCR MEB 80-07) - THIRD INTERIM REPORT

On March 19 1980, Bruce Cochran, NRC-OIE Region II, was informed that the subject nonconformance was determined to be reportable in accordance with 10 CFR 50.55(e). This was followed by our interim reports dated April 17 and August 14, 1980. Enclosed is our third interim report. We expect to submit our next report by November 28, 1980.

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

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ENCLOSURE

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2
ITT CONTROLS OF AWV DAMPERS
NCR BLN MEB 8001
10 CFR 50.55(e)
THIRD INTERIM REPORT

Description of Deficiency

"Selection Nomographs" furnished by ITT to size and select actuators for dampers can be interpreted incorrectly. The forces derived from the chart represent only the actual spring or hydraulic forces and do not include the effects of residual hydraulic or friction forces. This means there is a possibility that the ITT actuators supplied with American Warming and Ventilating (AWV) dampers will not meet the specified safety factor with respect to thrust delivered to the damper assembly.

Interim Progress

AWV has informed TVA that it has made an evaluation of all ITT actuators shipped to TVA for Bellefonte.

Before any corrective action is taken, AWV must accept and approve a report being prepared by ITT General Controls Engineering Department. Until approval of this report, the data used for the current evaluation will be considered preliminary.

AWV has also advised TVA that all ITT actuated dampers shipped from AWV since May 1, 1980, incorporate actuators which have been evaluated by either statistical data, actual test, or damper test and meet the torque requirements of the damper and/or TVA specification.