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 MILLS, L.M. Tennessee Valley Authority
 RECIP. NAME RECIPIENT AFFILIATION
 O'REILLY, J.P. Region 2, Atlanta, Office of the Director

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SUBJECT: Final deficiency rept, initially reported 800911 re air handling units. Units are no longer required to be qualified. design will be changed to remove Class IE power & qualified chilled water to units.

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

NOTES:

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TENNESSEE VALLEY AUTHORITY
400 Chestnut Street Tower II
CHATTANOOGA, TENNESSEE 37401

January 28, 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 UNITS 1 AND 2 - AHU'S IN COMMUNICATION ROOM -
NCR BLN BLP 8004 - FINAL REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
R. W. Wright on September 11, 1980, in accordance with 10 CFR 50.55(e).
This was followed by our first interim report dated October 9, 1980.
Enclosed is our final report.

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
AHU'S IN COMMUNICATION ROOM
NCR BLN BLP 8004
10 CFR 50.55(e)
FINAL REPORT

Description of Deficiency

Air handling units (AHU's) in the communication room, located in the Control Building, have been designed to safety grade requirements (Class IE Power, Seismic Category I, chilled water supplied from safety grade source). The communication equipment in the room is not seismically mounted, and in the event of a seismic occurrence (SSE), the AHU's may be damaged due to movement of the nonqualified equipment.

Safety Implications

Because of the evaluation discussed below, it has been determined that AHU's are not required to be safety grade for safe shutdown of the plant.

Corrective Action

After a detailed study of the concern, it was determined the original requirement for the qualified AHU's was caused by the uncertainty in qualification of other equipment in the communication room. The design has progressed to the point that it can be stated that no safety-related equipment will be located in the communication room. Thus, the AHU's are no longer required to be qualified. The design will be changed to remove Class IE power and qualified chilled water to the AHU's.

The Bellefonte design organization has reviewed their program for review of design requirements and has notified appropriate employees to be more diligent in incorporating specific design requirements.