

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401  
400 Chestnut Street Tower II

April 25, 1985

BLRD-50-438/84-07  
BLRD-50-439/84-06

U.S. Nuclear Regulatory Commission  
Region II  
Attn: Dr. J. Nelson Grace, Regional Administrator  
101 Marietta Street, NW, Suite 2900  
Atlanta, Georgia 30303

Dear Dr. Grace:

BELLEFONTE NUCLEAR PLANTS UNITS 1 AND 2 - GLOBAL COORDINATES OF MAXIMUM  
PIPE MOVEMENTS - BLRD-50-438/84-07, BLRD-50-439/84-06 - SECOND INTERIM  
REPORT

The subject deficiency was initially reported to NRC-OIE Inspector  
C. A. Julian on January 18, 1984 in accordance with 10 CFR 50.55(e)  
as NCR BLN CEB 8308. Our first interim report was submitted on  
February 15, 1984. Enclosed is our second interim report. We expect to  
submit our next report by July 3, 1986.

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

Very truly yours,

TENNESSEE VALLEY AUTHORITY

*J. A. Hufham*  
J. W. Hufham, Manager  
Licensing and Regulations

Enclosure

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

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

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ENCLOSURE

BELLEFONTE NUCLEAR PLANTS UNITS 1 AND 2  
GLOBAL COORDINATES OF MAXIMUM PIPE MOVEMENTS  
BLRD-50-438/84-07, BLRD-50-439/84-06  
NCR BLN CEB 8308  
10 CFR 50.55(e)  
SECOND INTERIM REPORT

Description of Deficiency

Bellefonte analysis isometric drawings have a note which relates maximum pipe movements to the global x, y, z directions. These notes are used to evaluate potential interferences at the plant site. Earlier versions of the TPIPE program did not list the maximum movements of the system, so movements were extracted and summed by hand. The analysts obtaining these movements did not note a nonglobal direction. Therefore, a direction on the isometric drawing does not relate to the movement direction in the note. Since nonglobal coordinates were used in many analyses, this interference evaluation effort is erroneous and could lead to incorrect conclusions during the IE Bulletin 79-14 walkdown. The deficiency was discovered during a movement review.

Interim Progress

The review detailed in TVA's first interim report on this deficiency has been completed for all rigorous problems. Forty-two rigorous analysis problems require further evaluation or rework. TVA will supply a final report upon completion of the design review and rework.