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RECIP. NAME RECIPIENT AFFILIATION
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SUBJECT: Interim deficiency rept re kneebrace tolerences used for insp of interior angle bracing. Initially reported on 870710. Drawings revised & inadequate supports will be replaced. Final rept will be submitted 1-yr before fuel load.

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TENNESSEE VALLEY AUTHORITY

5N 157B Lookout Place

AUG 10 1987

BLRD-50-438/87-05
BLRD-50-439/87-04

10 CFR 50.55(e)

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

Gentlemen:

BELLEFONTE NUCLEAR PLANT (BLN) UNITS 1 AND 2 - KNEEBRACE TOLERANCES USED FOR INSPECTING INTERIOR ANGLE BRACING - BLRD-50-438/87-05, BLRD-50-439/87-04 - INTERIM REPORT

The subject deficiency was initially reported to NRC-Region II Inspector Joe Brady on July 10, 1987, in accordance with 10 CFR 50.55(e) as CAQR BLF870075. Enclosed is our interim report. We expect to submit our final report on or about one year before fuel load. We do not consider 10 CFR 21 applicable to CAQR BLF870075.

If there are any questions, please get in touch with D. L. Terrill at (205) 574-8820.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

R. L. Gridley, Director
Nuclear Safety and Licensing

Enclosure
cc: See page 2

8708170407 870810
PDR ADOCK 05000438
S PDR

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U.S. Nuclear Regulatory Commission

AUG 10 1987

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ENCLOSURE

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2
KNEEBRACE TOLERANCES USED FOR INSPECTING
INTERIOR ANGLE BRACING
BLRD-50-438/87-05 AND BLRD-50-439/87-04
CAQR NO. BLF870075
10 CFR 50.55(e)
INTERIM REPORT

DESCRIPTION OF DEFICIENCY

Pipe supports were inspected using kneebrace tolerances given on sheet 4B of the 3GA0059-00 drawing series to check interior angle bracing on supports in violation of General Construction Specification G-43. This deficiency was due to misapplication of the kneebrace tolerance. The kneebrace tolerances are less conservative than the interior angle bracing tolerances given in General Construction Specification G-43. The supports which violate General Construction Specification G-43 could be subjected to increased loads to a support member which might result in failure of the support. The supports involved are primarily multisupporting structures which could exist in any Category I or I(L) piping system. This deficiency was identified as a result of an employee concern.

INTERIM PROGRESS

In order to prevent recurrence, notes were added on sheet 6A of the 3GA0059-00 drawing series on October 24, 1985, to clarify the requirements for interior angle bracing as required by General Construction Specification G-43.

To correct the condition, TVA will identify those supports inspected to tolerances on sheet 4B of the 3GA0059-00 drawing series which violate General Construction Specification G-43. TVA will then verify structural adequacy of the identified supports or modify those supports if the design requirements cannot be met.