

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

September 14, 1983

83 SEP 19 4 9

WBRD-50-391/83-42

U.S. Nuclear Regulatory Commission
Region II
Attn: Mr. James P. O'Reilly, Regional Administrator
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

WATTS BAR NUCLEAR PLANT UNIT 2 - HPFP PIPE NOT SEISMICALLY SUPPORTED
OVER SIS PUMP - WBRD-50-391/83-42 - SECOND INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector Linda Watson on July 11, 1983 in accordance with 10 CFR 50.55(e) as NCR WBN WBP 3308. Our first interim report was submitted on August 8, 1983. Enclosed is our second interim report. We expect to submit our next report on or about November 18, 1983.

In our first interim report we inadvertently included unit 1, this nonconformance report only applies to unit 2. Please amend your records accordingly.

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

Very truly yours,

TENNESSEE VALLEY AUTHORITY

D S Kammer

for L. M. Mills, Manager
Nuclear Licensing

Enclosure

cc (Enclosure):

Mr. Richard C. DeYoung, Director
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Records Center
Institute of Nuclear Power Operations
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Atlanta, Georgia 30339

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ENCLOSURE
WATTS BAR NUCLEAR PLANT UNIT 2
HPFP PIPE NOT SEISMICALLY SUPPORTED OVER SIS PUMP
NCR WBN WBP 8308
WBRD-50-391/83-42
10 CFR 50.55(e)
SECOND INTERIM REPORT

Description of Deficiency

Construction has installed 2-inch and smaller diameter sprinkler piping for the high pressure fire protection (HPFP) system above the safety injection system (SIS) pump 2A-A between column lines A9 and A11; and V and U on El. 692 in the auxiliary building with position retention only. TVA drawing 47W491-18 R4 requires that this piping be supported for both pressure boundary integrity and position retention. Although the sprinkler pipe in this area is normally dry, during a seismic event the deluge valve which is not seismically qualified, could fail open and fill the pipe with water. Thus any break in the sprinkler pipe would result in spraying water on the SIS pump.

Interim Progress

CONST is reviewing the 47W491 series piping drawings to determine if the correct types of typical supports were installed appropriately.

Other series drawings will be reviewed to determine if this condition occurred in other systems also.

If deficiencies on other drawing series or on other drawings in the 47W491 series are found, CONST will revise support isometric drawings and pipe supports will be reworked to ensure that any pipe which is required to maintain both position and pressure boundary is supported accordingly.

EN DES will revise the 47W491 series of drawings as required to show where piping is to be supported for both position retention and pressure boundary integrity on all piping views. This work will be done under engineering change notice (ECN) 4223.