

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

82 FEB 19 P 2 16
February 16, 1982

BLRD-50-438/82-10

BLRD-50-439/82-10

U.S. Nuclear Regulatory Commission
Region II
Attn: Mr. James P. O'Reilly, Regional Administrator
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303



Dear Mr. O'Reilly:

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2 - CHILLER UNIT PIPING COMPONENTS
IMPROPERLY WELDED - BLRD-50-438/82-10, BLRD-50-439/82-10 - FIRST INTERIM
REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
R. V. Crlenjak on January 11, 1982 in accordance with 10 CFR 50.55(e) as
NCR 1707. Enclosed is our first interim report. We expect to submit our
next report by June 23, 1982. We consider 10 CFR Part 21 applicable to
this deficiency.

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

Very truly yours,

TENNESSEE VALLEY AUTHORITY

Handwritten signature of L. M. Mills in cursive.

L. M. Mills, Manager
Nuclear Regulation and Safety

Enclosure

cc: Mr. Richard C. DeYoung, 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
CHILLER UNIT PIPING COMPONENTS IMPROPERLY WELDED
BLRD-50-438/82-10, BLRD-50-439/82-10
10 CFR 50.55(e)
FIRST INTERIM REPORT

Description of Deficiency

The chiller units listed below, manufactured by Dunham-Bush of West Hartford, Connecticut, exhibit extensive weld deficiencies on welds performed by the vendor. The extent of the deficiencies has not been fully evaluated yet, but visual examination revealed undercut, cold lapped, porosity, weld spatter, lack of fusion, mismatched components, numerous arc strikes, weld wires protruding from welds, and slag pockets.

Dunham-Bush Chiller Identification Numbers - Auxiliary Building
Model Number - IPCX290-0Q

<u>PCX Serial Number</u>	<u>Location</u>
DPW 2013M77X1633C -	Between A2&A3 - R&S Line (610')
DPW 2013M77X1633A -	Between A2&A3 - R&S Line (610')
DPW 2013M77X1633B -	Between A5&A6 - R&S Line (610')
DPW 2013A78X1633H -	Between A5&A6 - R&S Line (610')
DPW 2013A78X1633D -	A10 Between R&S Line (610')
DPW 2013A78X1633G -	A10 Between R&S Line (610')
DPW 2013A78X1633F -	Between A12&A13 - R&S Line (610')
DPW 2013A78X1633E -	Between A12&A13 - R&S Line (610')

Dunham-Bush Chiller Identification Numbers - Control Building
Model Number - IPCX230-0Q

<u>PCX Serial Number</u>	<u>Location</u>
DPW 2010M77X1601A -	Between C2&C3 - N&P Line (629')
DPW 2010M77X1601B -	Between C2&C3 - N&P Line (610')

Interim Progress

TVA is still in the process of evaluating the subject deficiency. A more detailed report of this evaluation will be provided to you in our next report.