

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

March 9, 1983
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BLRD-50-438/83-20
BLRD-50-439/83-16

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

Dear Mr. O'Reilly:

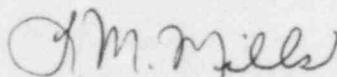
BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2 - DEFICIENT JOHNSON MACHINE WORKS
WELDS ON AFW PUMP ROOM DOORS - BLRD-50-438/83-20, BLRD-50-439/83-16 - FIRST
INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
Linda Watson on February 10, 1983 in accordance with 10 CFR 50.55(e) as
NCR 2221. Enclosed is our first interim report. We expect to submit our
next report by July 13, 1983. 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



L. M. Mills, Manager
Nuclear Licensing

Enclosure

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

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ENCLOSURE

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2
DEFICIENT JOHNSON MACHINE WORKS WELDS ON AFW PUMP ROOM DOORS
NCR 2221
BLRD-50-438/83-20, BLRD-50-439/83-16
10 CFR 50.55(e)
FIRST INTERIM REPORT

Description of Deficiency

The auxiliary feedwater (AFW) pump room personnel access doors exhibit weld quality not in conformance with American Welding Society (AWS) D1.1 acceptance criteria. This is contrary to the requirements stipulated in TVA's Procurement Specification 3294, Section 23. The documented weld deficiencies include undersized, overlapped, and undercut welds, craters and slag. Undersize welds are present in a high proportion of the assemblies. The doors were fabricated by Johnson Machine Works, Chariton, Iowa.

Nonreportable nonconformance report (NCR) 1463 and reportable NCRs 1630 and 1929 were previously initiated to document similar deficiencies with Johnson Machine Works supplied items. This NCR and NCR 1929 were issued as a result of significant conditions adverse to quality documented on the earlier NCRs and a subsequent investigation to determine if a generic condition adverse to quality with respect to Johnson Machine Works products exists.

Interim Progress

TVA is analyzing the subject welds to determine if they will perform their intended secondary safety function in their present condition. TVA will provide an additional report upon completion and review of this analysis.