

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

1630 Chestnut Street Tower II

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August 1, 1985

BLRD-50-438/85-20

U.S. Nuclear Regulatory Commission
Region II
Attn: Dr. J. Nelson Grace, Regional Administrator
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

Dear Dr. Grace:

BELLEFONTE NUCLEAR PLANT UNIT 1 - EXHAUST SILENCERS IMPROPERLY ANCHORED -
BLRD-50-438/85-20 - FIRST INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
S. Weise on July 2, 1985 in accordance with 10 CFR 50.55(e) as NCR 4353.
Enclosed is our first interim report. We expect to submit our next report on
or about October 31, 1985.

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

Very truly yours,

TENNESSEE VALLEY AUTHORITY

J. W. Hufham

J. W. Hufham, Manager
Licensing and Risk Protection

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 PLANT UNIT 1
DIESEL GENERATOR EXHAUST SILENCERS IMPROPERLY ANCHORED
BLRD-50-438/85-20
NCR BLN 4353
10 CFR 50.55(e)
FIRST INTERIM REPORT

Description of Deficiency

A reinspection of the Bellefonte Nuclear Plant (BLN) unit 1 diesel generator exhaust silencer foundation was performed as a result of NRC Information Notice 85-25, "Consideration of Thermal Conditions in Design and Installation of Supports for Diesel Generator Exhaust Silencers" and 10 CFR 50.55(e) nonconformance report (NCR) BLN 3615, (CDR BLRD-50-438/84-55, BLRD-50-439/84-51) "Deficient Category I Components and Miscellaneous Steel." In this reinspection, the following conditions and drawing discrepancies were identified:

1. Hairline shrinkage cracks were noted along the concrete surface of the support foundation.
2. Some of the 1-inch-diameter MK5 anchor bolts did not have the designated 4-1/2-inch projection above the concrete surface of the support foundation. Therefore, the anchor bolt nuts do not have full thread engagement and/or a jam nut installed as called for by design drawings.
3. The anchor bolt nuts should be loose to allow movement to accommodate thermal expansion, but were found to be tightened.
4. Due to dirt, grout, and insulation, the physical condition of the slotted connections appear to prevent the required sliding movement to accommodate thermal expansion.

The apparent cause of these deficiencies was a failure of construction personnel to install the items in accordance with TVA design drawings.

Interim Progress

The subject NCR is being evaluated by TVA for determination of corrective action.

Our next report will be provided on or about October 31, 1985.