

PART 21 IDENTIFICATION NO. 81-407-000 COMPANY NAME TVA

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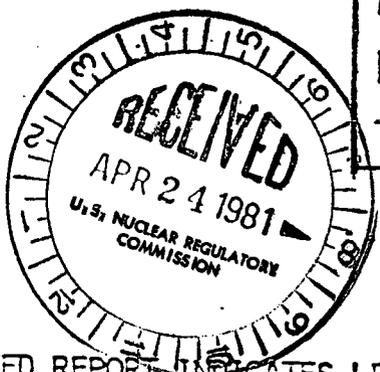
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ACTION:

PRELIMINARY EVALUATION OF THE ATTACHED REPORT INDICATES LEAD RESPONSIBILITY FOR FOLLOWUP AS SHOWN BELOW:

IE

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OTHER

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TENNESSEE VALLEY AUTHORITY
CHATTANOOGA, TENNESSEE 37401

81-407-000

400 Chestnut Street Tower II

April 10, 1981

Mr. James P. O'Reilly, Director
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Region II - Suite 3100
101 Marietta Street
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

BELLEVILLE NUCLEAR PLANT UNITS 1 AND 2 - LOSS OF HEAT TRACEABILITY FOR
PRESTRESSING SYSTEM MATERIALS - NCR BLN CEB 8005 AND INRYCO NCR-7 -
THIRD INTERIM REPORT

Nonconformance report BLN CEB 8005 was initially reported to NRC-OIE Inspector R. W. Wright on September 11, 1980, in accordance with 10 CFR 50.55(e). This was followed by our first interim report dated October 9, 1980. Since that time, INRYCO NCR-7 has been determined to be reportable in accordance with 10 CFR Part 21. This was followed by our second interim report dated February 10, 1981. Enclosed is our third interim report. We expect to submit our next report by July 21, 1981. We consider 10 CFR Part 21 to be applicable to this nonconformance.

If you have any questions concerning this matter, please get in touch with D. L. Lambert at FTS 857-2581.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

L. M. Mills, Manager
Nuclear Regulation and Safety

Enclosure

cc: Mr. Victor Stello, Jr., Director (Enclosure) ✓
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, DC 20555

ENCLOSURE
BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2
LOSS OF HEAT TRACEABILITY FOR PRESTRESSING SYSTEM MATERIALS
NCR BLN CEB 8005 AND INRYCO NCR-7 - 10 CFR 50.55(e)
THIRD INTERIM REPORT

Description of Deficiency

Heat traceability for anchorhead material used in the prestressing system for the primary containment is questionable. ACI-359, April 1973 trial use version, subsection CC-2470, requires the prestressing system materials be marked or tagged in such a manner as to ensure traceability to the Certified Materials Test Report during production and while in transit and storage. As a result of chemical tests on three anchorheads of heat code LP material, Inryco has determined that a possibility exists that there may be two separate material heats in LP, both of which have been coded LP. Chemical analysis of two of the three anchorheads are not consistent with the mill test report. The elements that are not within product analysis check tolerances are sulfur, phosphorus, and copper.

Additional chemical testing of six anchorheads has been performed by Inryco. The testing confirmed that some anchorhead material was incorrectly marked as heat code LP material.

Interim Progress

It was previously reported that seven anchorheads of LP material were incorrectly marked as heat code NC. Only one of these anchorheads was supplied to Bellefonte. This anchorhead is identified as NC288 and is installed on tendon mark V238. Inryco has been requested to nonconform this anchorhead.

TVA has received additional fabrication records which further document the identity of the anchorheads used at Bellefonte. TVA has not received the mill analysis of the copper content of the heat coded MB. Receipt of this mill analysis should confirm the identity of the anchorheads.

Inryco has submitted informal copies of revised procedures they intend to incorporate into their Quality Control (QC) Manual to serve as corrective action to prevent recurrence.