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 FACIL:50-438 Bellefonte Nuclear Plant, Unit 1, Tennessee Valley Au 05000438
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 MILLS,L.M. Tennessee Valley Authority
 RECIP.NAME RECIPIENT AFFILIATION
 O'REILLY,J.P. Region 2, Atlanta, Office of the Director

SUBJECT: Responds to NRC 800211 ltr re violation noted in IE Insp Repts 50-438/80-01 & 50-439/80-01. Corrective actions: training class conducted for all welding inspectors.

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 TITLE: Construction Deficiency Report (10CFR50.55E)

NOTES:

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		LTR	ENCL		LTR	ENCL
ACTION:	14 PM Bourbia	1	1	15 BC LWR	1	1
	20 LA LWR#3	1	1	21 AD LWR#3	1	1
INTERNAL:	0 REG FILE	1	1	02 NRC PDR	1	1
	05 I&E	2	2	07 EDO & STAFF	1	1
	08 MPA	1	1	09 DEPY DIR DPM	1	1
	10 QAB	1	1	11 STANDRDS DEV	1	1
	13 FIELD COOR/IE	1	1	16 AD FOR ENGR	1	1
	17 AD PLANT SYS	1	1	17 AD REAC SFTY	1	1
	22 DIR DPM	1	1	23 OELD	1	1
	AD/RCI/IE	1	1	AD/SITE TECH	1	1
	AEOD	1	1	DIRECTOR DSE	1	1
	GEOSCIENCES BR	1	1	HANAUER,S.	1	1
	I&C SYS BR	1	1	MATL ENG BR	1	1
	MECH ENG BR	1	1	POWER SYS BR	1	1
	STRUCT ENG BR	1	1			
EXTERNAL:	03 LPDR	1	1	04 NSIC	1	1
	24 ACRS	16	16			

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TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

March 3, 1980

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:

BELLEFONTE NUCLEAR PLANT UNIT 1 - DEFICIENCY 50-438/80-01-02 -
FAILURE TO FOLLOW PROCEDURE FOR VISUAL INSPECTION

This is in response to J. C. Bryant's letter dated February 11, 1980,
RII:PKV 50-438/80-01, 50-439/80-01, concerning activities at the
Bellefonte Nuclear Plant which appeared to have been in violation
of NRC regulations. Enclosed is our response to the citation.

If you have any questions concerning this matter, please get in touch
with D. L. Lambert at FTS 854-2581.

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

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ENCLOSURE

BELLEFONTE NUCLEAR PLANT UNIT 1
FAILURE TO FOLLOW PROCEDURE FOR VISUAL INSPECTION
DEFICIENCY 50-438/80-01-02

Deficiency 50-438/80-01-02

As required by Criterion V of Appendix B to 10 CFR 50, and implemented by the FSAR, Paragraph 17.1A.5 activities affecting quality must be performed in accordance with established procedures. Procedure BNP-QCP-7.5, Revision 3, Paragraph 6.2, requires visual examination of the internal weld surface, when accessible, for reinforcement requirements; Paragraph 7.2.7 requires a maximum internal reinforcement of 1/8 inch for weld joints 3/16 inch to 1/2 inch in thickness.

Contrary to the above, on January 8, 1980, 0.216-inch thick weld number 1NV02097 safety related, Class 2, contained internal reinforcement noticeably greater than 1/8 inch. Visual inspection had been signed for on January 7, 1980. Based on additional observations this appeared to be an isolated case of noncompliance.

Corrective Action Taken and Results Achieved

Quality Control Investigation Report (QCIR) No. 2895 was written to disposition the nonconformance. The inside surface of weld 1NV-02097 was repaired by grinding and visually examined for acceptance. The weld was found acceptable.

It was found that the welding inspector involved in this case had not physically measured the internal reinforcement but had visually estimated it. As a result, the 1-inch portion that exceeded the reinforcement tolerance was missed.

The individual welding inspector involved and all others certified to BNP-QCP-7.5, Revision 3, have been made aware of specification requirements for internal weld reinforcement.

Steps Taken to Avoid Further Recurrence

This deficiency involves an isolated case of human error and is not indicative of the overall welding inspection QA program. A training class was conducted for all welding inspectors to emphasize the importance of direct physical measurement.

Date of Full Compliance

Bellefonte Nuclear Plant was in full compliance with the established requirements as of February 1, 1980.

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