

50-438/439

FILE NUMBER

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

TO:

Mr. James P. O'Reilly

FROM:

Tennessee Valley Authority
Chattanooga, Tennessee
J. E. Gilleland

DATE OF DOCUMENT

10/28/77

DATE RECEIVED

11/4/77

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1 CC.

DESCRIPTION

ENCLOSURE

Response to infraction 438/77-13N1 (Containment Structural Concrete) and (reported infraction 438-77/13N2 (Safety-Related Pipe Welding) re NRC Inspec. Rept. 50-438/77-13 & 50-439/77-13.....

PLANT NAME: Bellefonte 1 & 2

RJL 11/4/77

(1-P)

(3-P)

1 ENCL *

SAFETY

FOR ACTION/INFORMATION

ENVIRONMENTAL

ASSIGNED AD:

VASSALLO

ASSIGNED AD:

V. MOORE (LTR)

BRANCH CHIEF:

PARR

BRANCH CHIEF:

PROJECT MANAGER:

PIKE

PROJECT MANAGER:

LICENSING ASSISTANT:

RUSHBROOK

LICENSING ASSISTANT:

B. HARLESS

INTERNAL DISTRIBUTION

REG FILES	SYSTEMS SAFETY	PLANT SYSTEMS	SITE SAFETY &
NRC PDR	R. MATTSON	TEDESCO	ENVIRON ANALYSIS
T & E (2)	SCHROEDER	BENAROYA	DENTON & MULLER
OELD		LAINAS	CRITCHFIELD
GOSSICK & STAFF	ENGINEERING	IPPOLITO	
HANAUER	KNIGHT	F. ROSA	ENVIRO TECH.
MTPC	BOSNAK		ERNST
	SIHWELL	OPERATING REACTORS	BALLARD
BOYD	PAWLICKI	STELLO	YOUNGBLOOD
		EISENHUT	
PROJECT MANAGEMENT	REACTOR SAFETY	SHAO	SITE TECH.
SKOVHOLT	ROSS	BAER	
P. COLLINS	NOVAK	BUTLER	GAMMILL (2)
HOUSTON	ROSZTGCZY	GRIMES	
MELTZ	CHECK		SITE ANALYSIS
HELTENES		S.D.	VOLLMER
SK	AT&I		BUNCH
De YOUNG	SALTZMAN		J. COLLINS
	RUTBERG		KREGER

EXTERNAL DISTRIBUTION

CONTROL NUMBER

PDR: SCOTSFORD ALA.

TIC

NSIC

NAT LAB

REG IV (J. HANCHETT)

16 CYS ACRS SENT CATEGORY B

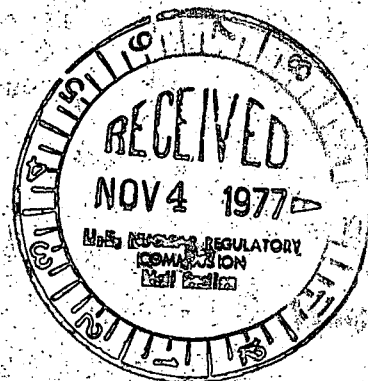
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TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

REGULATORY DOCKET FILE COPY

OCT 28 1977



Mr. James P. O'Reilly, Director
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Region II - Suite 1217
230 Peachtree Street, NW.
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

BELLEFONTE NUCLEAR PLANT - NRC INSPECTION REPORT 50-438/77-13
AND 50-439/77-13 - RESPONSE TO INFRACTION 438-77/13N1
(CONTAINMENT STRUCTURAL CONCRETE) AND REPORTED INFRACTION
438-77/13N2 (SAFETY-RELATED PIPE WELDING)

The subject letter dated October 7, 1977, cited TVA with two
infraction items. Enclosed is our response to these citations.

Very truly yours,

J. E. Gilleland
Assistant Manager of Power

Enclosure

cc: Dr. Ernst Volgenau, Director (Enclosure)
✓ Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, DC 20555

773080011

ENCLOSURE

BELLEFONTE NUCLEAR PLANT
NRC INSPECTION REPORT 50-438/77-13 and 50-439/77-13
RESPONSE TO INFRACTION 438-77/13N1 (CONTAINMENT STRUCTURAL
CONCRETE) AND REPORTED INFRACTION 438-77/13N2
(SAFETY-RELATED PIPE WELDING)

Infraction 438-77/13N1

- A. 10 CFR Part 50, Appendix B, Criterion V as implemented by PSAR Section 17.1A.5 states in part that, "Activities affecting quality shall be prescribed by documented instructions, procedures, drawings, . . . and shall be accomplished in accordance with these instructions, procedures, or drawings."

Contrary to the above, in the area of structural concrete:

Standing water was not removed from the surface of the previous lift prior to placing concrete pour R1-6-6b as required by paragraph 7.1.4 of BNP-QCP-5.3 and Parts VII and X of TVA Construction Specification G2.

Our response to this infraction is as follows:

1. Corrective Steps Which Have Been Taken and Results Achieved

The subject pour was placed in a nonconforming status (NCR 583) and held in this condition until the Materials Engineering Unit performed a thorough visual inspection and a series of rebound hammer readings.

The results of the visual inspection and the rebound hammer test were satisfactory.

2. Corrective Steps Which Have Been Taken to Avoid Further Noncompliance

Construction employees have been instructed to keep pumps available at pour locations when rain is suspected. The employees of the Materials Engineering Unit have been reinstructed on the requirements of paragraph 7.1.4 of BNP-QCP-5.3.

3. The Date When Full Compliance Will be Achieved

Bellefonte Nuclear Plant was in full compliance with the listed requirements as of September 23, 1977.

Reported Infraction 438-77/13N2

- B. 10 CFR Part 50, Appendix B, Criterion V as implemented by PSAR Section 17.1A.5 states in part that, "Activities affecting quality shall be prescribed by documented instructions, procedures, drawings, . . . and shall be accomplished in accordance with these instructions, procedures or drawings."

Contrary to the above, in the area of welding:

1. A welder was observed welding safety-related pipe with a size of welding material different from the size shown on the welding material withdrawal chit. This is considered to be noncompliance with paragraph 6.4.3.1 of procedure BNP-QCP-8.1.

Our response to this infraction is as follows:

a. Assessment of Reported Infraction

It has been determined that although the size of welding material on the withdrawal chit was wrong, the filler metal heat number was correct and this was a random error on the part of the rod room issue attendant in recording the welding material size. The detail weld procedure for the weld in question allows both the size recorded on the chit and the actual size which was used, therefore, no adverse weld quality resulted.

Rod room issue attendants have been reminded of the importance of placing correct information on withdrawal chits.

Bellefonte Nuclear Plant is in full compliance with paragraph 6.4.3.1 of BNP-QCP-8.1.

2. Review of the calibration log for the number 1 rod room electrode oven thermometers revealed that the required thermometer calibration checks were not made during the 4th and 8th months of 1977. This is considered to be noncompliance with paragraph 6.4.3.5 of procedure BNP-QCP-8.1.

a. Corrective Steps Which Have Been Taken and Results Achieved

Calibration checks of the ovens prior to and subsequent to the fourth and eighth months check showed them to be within calibration limits. Therefore, this indicates that oven temperatures were maintained with required limits and no adverse condition of weld filler material resulted.

b. Corrective Steps Which Have Been Taken to Avoid Further Noncompliance

The Weld Engineering Unit inspectors have been reinstructed in the requirements of paragraph 6.4.3.5 of procedure BNP-WCP-8.1, and the importance of following procedures.

c. The Date When Full Compliance Will be Achieved

Bellefonte Nuclear Plant was in full compliance with the listed requirement as of September 10, 1977.

3. Carbon steel bare welding wire (E70S-3) is not identified by individual piece (i.e., flag-tag or equivalent). This is considered to be noncompliance with paragraphs 3.2 and 3.4 of process specification 1.M.3.1(e) of TVA Construction Specification G29M.

a. Assessment of Reported Infraction

Compliance with BNP-QCP-8.1 subparagraph 6.4.3.1 in weld filler metal identification fulfills the requirements of process specification 1.M.3.1(e) with respect to the identification of welding material from issuance to consummation. This has been discussed with EN DES Nuclear Standards and Materials and they are in agreement that our program meets the interpretation and intent of the subject specification and no changes are required.



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
230 PEACHTREE STREET, N.W. SUITE 1217
ATLANTA, GEORGIA 30303

DEC 14 1977

Central File
50-438
439

In Reply Refer To:

RII:LEF

50-438/77-13

50-439/77-13

Tennessee Valley Authority
Attn: Mr. Godwin Williams, Jr.
Manager of Power
830 Power Building
Chattanooga, Tennessee 37401

Gentlemen:

Thank you for your letter of October 28, 1977, informing us of steps you have taken to correct the items of noncompliance concerning activities under NRC Construction Permit Nos. CPPR-122 and CPPR-123 brought to your attention in our letter of October 7, 1977. We will examine your corrective actions and plans during subsequent inspections.

We appreciate your cooperation with us.

Sincerely,

C. E. Murphy, Chief
Reactor Construction and Engineering
Support Branch

cc: Mr. J. E. Gilleland
Assistant Manager of Power
830 Power Building
Chattanooga, Tennessee 37401

Mr. W. W. Aydelott, Project Manager
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