

OCT 06 1987

Docket Nos. 50-438, 50-439, 50-259,  
50-260, 50-296, 50-327,  
50-328, 50-390 and 50-391

License Nos. CPPR-122, CPPR-123, DPR-33,  
DPR-52, DPR-66, DPR-77,  
DPR-79, CPPR-91, and CPPR-92

Tennessee Valley Authority  
ATTN: Mr. S. A. White  
Manager of Nuclear Power  
6N 38A Lookout Place  
1101 Market Street  
Chattanooga, TN 37402-2801

Gentlemen:

SUBJECT: NRC INSPECTION REPORT NOS. 50-438/86-11, 50-439/86-11, 50-259/86-43,  
50-260/86-43, 50-296/86-43, 50-327/86-73, 50-328/86-73, 50-390/86-27,  
AND 50-391/86-26

Thank you for your response of July 10, 1987, to our Notice of Violation (NOV) issued on April 27, 1987, concerning activities conducted at your Bellefonte, Browns Ferry, Sequoyah and Watts Bar facilities. We have evaluated your responses to Violation A and Violation B, Parts 1 and 3, and found that they meet the requirements of 10 CFR 2.201. We will examine the implementation of your corrective actions during future inspections.

Violation A, Part 3, addressed the timeliness of generic reviews of Significant Condition Report SCRWBNEEB 8630. Your response clarifies, at paragraph C. on page 3, that the potential generic condition evaluation memorandum for SCRWBNEEB 8630 was not issued until June 26, 1986 [vice June 10, 1986 as stated in the NRC NOV]. Since the stated date difference could affect the conclusions drawn with respect to timeliness, we have evaluated your response in light of the enclosed document (RIMS No. B43 860626 912) that we obtained separately. Based on this information, we have concluded that the NOV is correct.

Violation B, Part 2, addressed the evaluation as non-generic of expansion shell anchor (SSDS) failures at Bellefonte and subsequent identification of similar problems at Watts Bar. Your response, at paragraph 3.B. on page 5, states that:

- The Bellefonte SSDS failures were determined to be from a local surface deficiency of concrete and the Watts Bar failures were determined to be from installation of anchors in floor toppings.

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OCT 06 1987

- TVA Construction Specification G-32 requires pull-testing of SSDS and that a generic review of the Bellefonte problem would not have resulted in any other investigation by other projects. A generic review was not required.

The NRC has reviewed your response and has determined the following:

- The pull testing required by Construction Specification G-32 is not valid if leveling nuts are present behind the base plate. The NRC has information that, at least at Watts Bar, leveling nuts exist.
- The surface conditions for soft concrete and for floor topping are very similar - such that anchors do not hold well. This similarity might have been recognized if a proper generic review had been conducted as required.
- The applicable Bellefonte instruction was BNP-QCP-10.4 Rev. 11 issued July 3, 1984. This instruction (Attachment D, page 3 of 4, paragraph 10) specifically requires the review of all significant Nonconforming Condition Reports (NCRs) [which this one was] for generic implications within the Bellefonte plant and also for generic implications within the Construction Division. The division-wide review was to be made by the Quality Engineering Section (QES) in Knoxville with a resultant memorandum - which was to be attached to or discussed in the NCR. Your staff recently determined that no evidence could be found showing that this NCR was sent to QES for review. Records do exist for other NCRs.

For the reasons above, the NRC has concluded that the NOV is correct.

It does not appear that additional correspondence concerning the above issues would result in corrective action significantly different from what you have already committed to. Therefore no further response concerning these issues is required.

Sincerely,

**ORIGINAL SIGNED BY  
GARY G. ZECH**

Gary G. Zech, Assistant Director  
for Inspection Programs  
TVA Projects Division  
Office of Special Projects

Enclosure:  
W. S. Raughley Memorandum



cc w/encl:

J. P. Darling, Site Director  
Bellefonte Nuclear Plant  
J. A. Kirkebo, Director,  
Nuclear Engineering  
R. L. Gridley, Director  
Nuclear Safety and Licensing  
D. L. Terrill, Site Licensing  
Manager  
H. P. Pomrehn, Site Director  
Browns Ferry Nuclear Plant  
M. J. May, Site Licensing Manager  
H. L. Abercrombie, Site Director  
Sequoyah Nuclear Plant  
M. R. Harding, Site Licensing  
Manager  
G. Toto, Site Director  
Watts Bar Nuclear Plant  
R. A. Pedde, Project Manager  
Watts Bar Nuclear Plant  
J. A. McDonald, Site Licensing Manager

Tennessee Valley Authority

bcc w/encl:

- J. G. Keppler, OSP
- S. D. Ebnetter, OSP
- J. A. Zwolinski, OSP
- B. D. Liaw, OSP
- S. D. Richardson, OSP
- S. R. Connelly, OIA
- K. P. Barr, OSP/RII
- S. Elrod, OSP/RII
- G. Hunegs, OSP/RII
- G. E. Gears, OSP
- J. F. Stang, OSP
- A. Ignatonis, OSP/RII
- A. Johnson, OSP/RII
- F. McCoy, OSP/RII
- R. Carroll, OSP/RII
- J. Brady, OSP/RII
- T. A. Ippolito, TVA Nuclear  
Regulatory Consultant  
NRC Resident Inspector  
NRC Document Control Desk  
State of Alabama  
State of Tennessee

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 09/24/87



UNITED STATES GOVERNMENT

# Memorandum

## TENNESSEE VALLEY AUTHORITY

B43 '86 0626 912

860714R0722 (4)

QA Record

TO : Those listed

FROM : W. S. Raughley, Chief Electrical Engineer, WS C126 C-K

DATE : June 10, 1986

SUBJECT: POTENTIAL GENERIC CONDITION EVALUATION

The attached document, SCR/PIR 8610 E1, describes a condition adverse to quality which was identified on Watts Bar Nuclear Plant. Please examine the attached to determine if this condition exists in your area of responsibility. The bottom portion of this form should be completed and this memorandum returned to me within two weeks of the above date. Should this condition be found to exist in your area of responsibility, the generation of a problem identification report (PIR) or a significant condition report (SCR) per OEP-17 is required.

*W. S. Raughley*  
W. S. Raughley

G. T. Hall, A16 Sequoyah ENG  
N. C. Rutherford, A7 BFN Design Services Building.  
J. L. Springer, 9-111 SB-K

REM:LJ  
Attachment  
cc (Attachment):  
RIMS, SL 26 C-K  
J. D. Collins, P-205 SB-K

M. Lee Rayfield, P-104 SB-K

Accession No. \_\_\_\_\_

TO : W. S. Raughley, Chief Electrical Engineer, WS C126 C-K

FROM :

DATE :

We have examined our activities in the area of concern and found that the condition:

- a. Does not exist
- b. Does exist \_\_\_\_\_ SCR/PIR No. \_\_\_\_\_

Review performed by \_\_\_\_\_ Date \_\_\_\_\_

cc: RIMS, SL 26 C-K  
J. D. Collins, P-205 C-K  
M. Lee Rayfield, P-104 SB-K

DNE2 2789C  
WBEP 05/28/86