

Docket Nos.: 50-390  
and 50-391

02 JUL 1986

APPLICANT: Tennessee Valley Authority  
FACILITY: Watts Bar Nuclear Plant, Units 1 and 2  
SUBJECT: MEETING WITH TVA REGARDING WATTS BAR WELD  
REINSPECTION PROGRAM

On June 25, 1986 a public meeting was held at 9:00 a.m. in the Phillips Building. The purpose of the meeting was for TVA to present its Watts Bar weld reinspection plan to the staff.

A copy of the meeting transcript is attached. The transcript has been reviewed to identify the key issues discussed. A summary of those issues and an attendance list are also enclosed.


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William O. Long, Project Manager  
BWR Project Directorate #2  
Division of BWR Licensing

Enclosures: As stated

cc w/enclosures: See next page

8607090427 860702  
PDR ADCK 05000390  
G PDR

  
W. Long  
BWR#2/DBWR  
BLong/mac  
06/2/86

  
PWR#4/DPWR-A  
BJYoungblood  
07/2/86

  
BWR/EB  
B.D. Liaw  
07/2/86

Mr. S. A. White  
Tennessee Valley Authority

Watts Bar Nuclear Plant

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Mr. Mark J. Burzynski  
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# ATTENDANCE LIST

<u>NAME</u>	<u>AFFILIATION</u>
James Adair	TVA
Corwin L. Atwood	DOE/WEP
W. H. Borter	Reedy Associates
A. E. Bradford	DOE/WEP
Tony L. Bridges	EG&G Idaho
Lloyd C. Brown	DOE/WEP
Paul Cortland	IE
Carl Czajkowski	BNL
W. D. Doty	Consultant
Frank Fogarty	WEP Tech. Prog. Mgr.
George GeorgeIV	IE
Jim Gray	U. S. Rep. Jim Cooper
Carl E. Hartbower	Consultant
Carl W. Hatmaker	TVA/WP
Alan Herdt	NRC Region II
Tom Kenyon	NRR
W. O. Long	NRR
Tony Mark	TVA-Bechtel
Paul E. Masters	Consultant
W. H. Munse	Consultant
Henry Myers	HIC
Paul O'Leary	DOE/WEP
Donald C. Reagan	TVA/RER
M. H. Schuster	BNL
Ralph H. Shell	TVA/NUC. Licensing
D. E. Smith	NRR
R. L. Spessard	IE
Stephen P. Stagnolia	TVA/WTG
R. Stout	Consultant
Kent G. Therp	EG&G Idaho
Bob Tiller	DOE/Idaho
Glenn A. Walton	NRR Region II
Irene Weisband	Professional Communications Services
Mitzi Young	NRC/OELD
B. J. Youngblood	NRR
B. D. Liaw	NRR

## SUMMARY OF KEY ISSUES

1. The staff has information to the effect that for both WBN Units 1 and 2, TVA is performing repair and reinspection of ASME welds in accordance with ASME Section XI Preservice/Inservice Inspection Requirements instead of Section III Construction Inspection Requirements. The staff advised TVA that this is not acceptable. Section XI should be used only for systems and components for which Section III tests have been properly completed and documented, and also should not be used in cases where significant design changes are being made to systems which were previously completed and accepted under Section III (ie. instrument lines). For Unit 2 it is a clear-cut violation. For Unit 1, arguments can be made whether TVA properly completed the Section III tests. L. Martin (TVA) stated (page 7) that it is his understanding that only the fracture mechanics portion of Section XI would be used at Unit 1.
2. The scope of the EG&G reinspection plan does not encompass an evaluation of QA aspects. As examples, the staff raised issues on fit-up inspection of structural welds and QC personnel training as having impact on the adequacy of the reinspection program.
3. Nuclear Construction Issues Group documents, NCIG-01 and NCIG-02, are being used to conduct the WBN weld reinspection program. These are industry-prepared documents. NCIG-01 specifies visual acceptance criteria for structural welds and has been reviewed and accepted by the staff for initial weld inspection and for weld reinspection programs. The NCIG-01 acceptance criteria is less conservative and more specific in tolerances than the acceptance criteria of the AWS D1.1 FSAR commitment. NCIG-02 provides guidance for sampling inspections to provide a 95% confidence level that 95% of welds meet the inspection acceptance criteria of "suitable for service". NCIG-02 has not been accepted by the staff. TVA is proceeding with its reinspection plan at its own risk. Information received by the senior resident inspector at WBN indicates that over 50% of reinspected components have failed the NCIG-01 visual acceptance inspections, and thereby require engineering analyses.
4. There was considerable discussion regarding the meaning of "meeting code commitments". It appeared to be Dr. Myers views that if employee concerns relating to code commitments are substantiated, then the code commitments were not met. It is TVA's position that if the employee concerns are substantiated and corrective action is taken, and the overall programs are in general compliance, then the

commitments have been met. Mr. K. Therp referred to a Code Case regarding Code nonconformances authorized by the owner, certificate holder, ANI, NRC and jurisdictional authority.

5. It is the staff's position that meeting "code commitments" and "suitable for service" are not equivalent. If welds are found "suitable for service" but do not meet code commitments, they must be identified and documented. FSAR changes may be required if the acceptance bases differ from the original commitments.
6. The scope of the EG&G reinspection program includes TVA produced welds only. Vendor welds will be addressed separately.
7. L. Martin indicated that TVA will at some point in time seek staff approval of the reinspection program. Mr. Liaw indicated that, in that case, the staff will probably prepare a list of questions to further clarify the program; particularly in areas where NCIG-02 does not provide detailed guidance.

MEETING SUMMARY DISTRIBUTION

02 JUL 1986

Docket File

NRC PDR  
L PDR  
NSIC  
PRC System  
PWR#4 Reading File  
Project Manager W. O. Long  
M. Duncan  
Attorney, OELD  
J. Partlow  
E. Jordan  
B. Grimes  
ACRS (10)  
HDenton  
JTaylor  
BHayes  
GZech  
Sweise  
TNovak  
HThompson  
GWalton  
FCombs (3)  
BNL Contractors (6)

NRC Participants

B. D. Liaw  
W. O. Long  
T. Kenyon  
D. E. Smith  
L. Spessard  
M. Young  
B. J. Youngblood

OTHERS

bcc: Licensee & Service List