

JUN 28 1994

*official copy*

Docket Nos. 50-390, 50-391  
License Nos. CPPR-91, CPPR-92

Tennessee Valley Authority  
ATTN: Mr. Oliver D. Kingsley, Jr.  
President, TVA Nuclear and  
Chief Nuclear Officer  
6A Lookout Place  
1101 Market Street  
Chattanooga, TN 37402-2801

Gentlemen:

**SUBJECT: MEETING SUMMARY - WATTS BAR UNITS 1 AND 2**

This letter refers to the meeting conducted in the Region II office on June 24, 1994. The meeting was at your request to discuss our letter to you, dated June 10, 1994, involving activities discussed in NRC Inspection Report 50-390, 391/94-13. Enclosure 1 is a list of the individuals who attended the meeting, and Enclosure 2 is a chronology of corrective action program activities supplied by your staff during the meeting. We believe the meeting was beneficial in clarifying our concerns with respect to the implementation of the Watts Bar corrective action program. Your staff also discussed several initiatives to improve corrective action program implementation.

Should you have any questions concerning this letter, please contact me.

Sincerely,

Original Signed By:  
J. P. Jaudon

Johns P. Jaudon, Deputy Director  
Division of Reactor Projects

Enclosures:

1. List of Attendees
2. Corrective Action  
Chronology

cc w/encls: (See page 2)

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Tennessee Valley Authority

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cc w/encls:

Mr. Craven Crowell, Chairman  
Tennessee Valley Authority  
ET 12A  
400 West Summit Hill Drive  
Knoxville, TN 37902

Mr. W. H. Kennoy, Director  
Tennessee Valley Authority  
ET 12A  
400 West Summit Hill Drive  
Knoxville, TN 37902

Mr. Johnny H. Hayes, Director  
Tennessee Valley Authority  
ET 12A  
400 West Summit Hill Drive  
Knoxville, TN 37902

Dr. Mark O. Medford, Vice Pres.  
Engineering and Technical Services  
Tennessee Valley Authority  
3B Lookout Place  
1101 Market Street  
Chattanooga, TN 37402-2801

Mr. D. E. Nunn, Vice President  
New Plant Completion  
Tennessee Valley Authority  
3B Lookout Place  
1101 Market Street  
Chattanooga, TN 37402-2801

Mr. J. A. Scalice, Site Vice Pres.  
Watts Bar Nuclear Plant  
Tennessee Valley Authority  
P. O. Box 2000  
Spring City, TN 37381

General Counsel  
Tennessee Valley Authority  
ET 11H

400 West Summit Hill Drive  
Knoxville, TN 37902

Mr. R. W. Huston, Manager  
Nuclear Licensing and  
Regulatory Affairs  
4G Blue Ridge  
1101 Market Street  
Chattanooga, TN 37402-2801

Mr. B. S. Schofield  
Site Licensing Manager  
Watts Bar Nuclear Plant  
Tennessee Valley Authority  
P. O. Box 2000  
Spring City, TN 37381

TVA Representative  
Tennessee Valley Authority  
11921 Rockville Pike  
Suite 402  
Rockville, MD 20852

Mr. M. H. Mobley, Director  
Division of Radiological Health  
3rd Floor, L and C Annex  
401 Church Street  
Nashville, TN 37901

The Honorable Robert Aikman  
County Executive  
Rhea County Courthouse  
Dayton, TN 37321

The Honorable Garland Lanksford  
County Executive  
Meigs County Courthouse  
Decatur, TN 37322

Danielle Droitsch  
Energy Project  
The Foundation for Global  
Sustainability  
P. O. Box 1101  
Knoxville, TN 37901

Mr. Bill Harris  
Route 1, Box 26  
Ten Mile, TN 37880

bcc w/encls: (See page 3)

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bcc w/encls:

S. D. Ebnetter, ORA/RII  
E. W. Merschhoff, DRP/RII  
A. F. Gibson, DRS/RII  
J. P. Stohr, DRSS/RII  
F. J. Hebdon, NRR  
G. C. Lainas, NRR  
A. P. Hodgdon, OGC  
B. K. Keeling, GPA/CA  
RII Coordinator, OEDO  
P. S. Tam, NRR  
NRC Document Control Desk

NRC Resident Inspector  
U.S. Nuclear Regulatory Commission  
Route 2, Box 700  
Spring City, TN 37381

SEND	OFC	DRP/RII						
TO	NAME	PFredrickson:vyg						
PDR?	DATE	06/27/94	/ /94	/ /94	/ /94	/ /94	/ /94	
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> COPY?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No

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ENCLOSURE 1

LIST OF ATTENDEES

Name

Title

NRC Staff

A. F. Gibson	Director, Division of Reactor Safety, Region II (RII)
J. P. Jaudon	Deputy Director, Division of Reactor Projects (DRP), RII
P. E. Fredrickson	Branch Chief, Watts Bar (WB) Construction, DRP, RII
G. A. Walton	Senior Resident Inspector, WB Construction Branch, DRP, RII
J. B. Brady	Project Engineer, WB Construction Branch, DRP, RII

TVA Staff

R. R. Baron	General Manager, Nuclear Assurance and Licensing
B. S. Schofield	WB Site Licensing Manager
L. B. Spiers	WB Site Quality Manager

## CORRECTIVE ACTION PROGRAM ACTIVITIES

- March 11, 1994 IRA independently overviews CAQ generic reviews. Results indicate that the line organizations need to pay closer attention to completeness of the response. Need to improve EOC and improve the questioning attitude of the CAQ coordinators.
- March 14 to  
March 25 Nuclear Assurance Management Assessment of WBN Corrective Action Program identified problems with cause analysis, extent of condition, corrective actions, recurrence control, QA 7-3-2 reviews, Corrective Action Program Trending. However, none of the examples indicate a problem that would have any impact on installed plant equipment, its function, or its design.
- March 22, 1994 Operations QA Manager issues memorandum justifying no impact of Corrective Action Program weaknesses to HFT.
- April 1, 1994 SCAR 94033 initiated to document problems from Nuclear Assurance Management Assessment.
- April 1, 1994 HFT starts.
- April 15, 1994 Combined FIR/PER programs which deleted all further FIRs.
- April 15, 1994 Nuclear Assurance issues first Fuel Load Readiness Windows Report for March 1994, reiterates weaknesses identified in SCAR 94033.
- SNA Corrective Action Program Window - Yellow
  - Mods Corrective Action Program Window - Yellow
  - Nuclear Engineering Corrective Action Program Window - Yellow
  - Ops Corrective Action Program - White
  - Startup Corrective Action Program Window - White
- April 25, 1994 NRC/TVA Meeting on Corrective Action Program in Atlanta.
- April 27, 1994 Draft Business Practice (BP-236) on Root Cause Analysis is distributed for comment.
- May 6, 1994 April Fuel Load Readiness Report is issued. Management needs to continue to focus attention on implementation and documentation of cause analysis, extent of condition, corrective actions, actions to prevent recurrence. Improvement in trending is noted by baselining of Fuel Load Readiness Windows Report.
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- SNA Corrective Action Program Window - Yellow
- Mods Corrective Action Program Window - Yellow
- Nuclear Engineering Corrective Action Program - Yellow
- Ops Corrective Action Program Window - White
- Startup Corrective Action Program Windows - White

May 9, 1994 Nuclear Assurance began tracking average number of extensions per CAQ and CAQ average age.

May 12, 1994 Nuclear Assurance issues memorandum for formatting complex CAQ packages.

May 12, 1994 Nuclear Assurance issues memorandum documenting conclusions and analysis of CAQ Nuclear Assurance rejections (lessons learned). Common examples of rejection include: verification of corrective action and extent of condition. Primary organizations responsible are Mods and Engineering.

May 24, 1994 CAQ training schedule is issued by Engineering and Modifications Closure Manager in response to SCAR 94033.

May 24, 1994 Response to SCAR 94033 is submitted.

May 25, 1994 CAQ training begins.

May 25, 1994 Nuclear Assurance issues TDN Trend Report for February, March, and April. Identifies no adverse trends.

June 2, 1994 Nuclear Assurance issued May CAQ Lessons Learned memorandum. Fifty-two of two hundred ninety-six were rejected from May 2 to May 25. Documentation is most prevalent problem/area.

June 2, 1994 May Fuel Load Readiness Windows Report is issued. Fifty-two corrective action documents of 296 reviewed were rejected. This information is being discussed with line organizations on a weekly basis. Management must continue to focus attention on the implementation and documentation of CAQs. Line organizations are now involved in the analysis of their program areas with NA providing oversight. Acceptance of Mods CAQs was only 69 percent.

- SNA Corrective Action Program Window - Yellow
- Mods Corrective Action Program Window - Yellow
- Nuclear Engineering Corrective Action Program Window - Yellow
- Operations Corrective Action Program Window - White
- Startup Corrective Action Program Window - White

In addition to the Windows Report, an analysis of the Corrective Action Documents generated during the month were evaluated against those from the previous six months.

Implementation of the Design process was identified as the work activity requiring the most attention, while self-checking and procedure adherence were identified as the highest causal factor. The procedure with the most violations during the past seven months was SSP-7.53, "Modification Workplans." Cable pulling/terminations and conduit installation have been the specific problem work areas.

June 14, 1994

Corrective Action Program Indicators are issued. This contains CAQ average age, average number of extensions, and Nuclear Assurance rejection analysis. Acceptance rate for May 26 to June 6 is 82.2 percent. Examples of rejections include:

- Closure packages with incorrect references
- Causal factor problems

June 14, 1994

Modifications issues May '94 Trend Analysis for Mods maintenance requests, work requests, and U2 PMDRs.

June 6 to June 17

NRC inspection of Corrective Action Program.

July 11, 1994

Scheduled Nuclear Assurance Corrective Action Program Assessment.