

JUL 13 1994

Docket No. 50-390, 50-391
License No. 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 NUCLEAR PLANT TRAINING STAFF
PRESENTATION IN RESPONSE TO EXAMINATION REPORT NO. 50-390/94-301

This letter refers to the meeting conducted at the NRC Region II offices in Atlanta on June 27, 1994. The meeting was held at your request to discuss steps taken and planned to correct the weaknesses in Watts Bar operator training described in Operator Licensing Examination Report No. 50-390/94-301. A list of attendees is included as Enclosure 1. The discussion outline that your staff provided is included as Enclosure 2.

It is our opinion that this meeting was beneficial and provided an opportunity for open discussion of both group's concerns with your implementation of the operator licensing process.

Sincerely,

(Original signed by A. F. Gibson)

Albert F. Gibson, Director
Division of Reactor Safety

Enclosures:

1. List of Attendees
2. Training Staff Presentation Outline

cc w/encls: (See page 2)

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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 President
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 President
Watts Bar Nuclear Plant
Tennessee Valley Authority
Route 2, P. O. Box 2000
Spring City, TN 37381

General Counsel
Tennessee Valley Authority
ET 11H
400 West Summit Hill Drive
Knoxville, TN 37902

cc w/encls cont'd: (See page 3)

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cc w/encls cont'd:
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

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

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

Mr. Michael H. Mobley, Director
Division of Radiological Health
3rd Floor, L and C Annex
401 Church Street
Nashville, TN 37243-1532

Ms. 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

cc w/encls cont'd: (See page 3)

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cc w/encls cont'd:
 Mr. W. W. Thompson
 Manager - Training
 Watts Bar Training Center
 P. O. Box 800
 Spring City, TN 37381

bcc w/encl:
 S. D. Ebnetter, ORA/RII
 E. W. Merschoff, DRP/RII
 C. A. Julian, DRP/RII
 J. P. Stohr, DRSS/RII
 A. F. Gibson, DRS/RII
 F. J. Hebdon, NRR
 G. C. Lainas, NRR
 P. S. Tam, NRR
 Senior Attorney, OGC
 Sr. Congressional Affairs
 Officer, OCA
 Regional Coordinator, OEDO
 G. A. Hallstrom, DRS/RII
 S. J. Cahill, DRS/RII
 E. Lea, DRS/RII
 J. H. Bartley, DRS/RII

NRC Document Control Desk

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

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TO	NAME	SCahill:sc/sd	LLawyer <i>g</i>	TPeebles <i>JAP</i>	C. JULIAN P. Fredrickson	AGibson
PDR?	DATE	7/6/94	7/7/94	7/8/94	7/8/94	1/194
Yes	No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Yes <input type="checkbox"/> No

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ENCLOSURE 1

LIST OF ATTENDEES

U.S. Nuclear Regulatory Commission (4)

- A. F. Gibson, Director, Division of Reactor Safety (DRS), RII
- J. P. Jaudon, Acting Deputy Director, Division of Reactor Projects (DRP), RII
- L. L. Lawyer, Chief, Operator Licensing Section, DRS, RII
- S. J. Cahill, Reactor Engineer, DRS, RII

Licensee Representatives (3)

- D. Ashley, Tennessee Valley Authority (TVA), Operations Training
Program Manager
- S. McNair, Watts Bar Nuclear Plant Operations Training Manager
- R. Mende, Watts Bar Nuclear Plant Operations Manager

ENCLOSURE 2

**WATTS BAR NUCLEAR PLANT
TRAINING STAFF PRESENTATION OUTLINE**

RESPONSE TO TRAINING ISSUES IDENTIFIED BY NRC IN MARCH 1994
LICENSE EXAM REPORT #50-390/94-301

1. Examiners identified a weakness during the walkthrough examinations regarding candidate ability to evaluate the consequences of their actions prior to taking them (paragraph 2.c.1).

RESPONSE:

NRC license prep program has been redesigned to include more formal task performance (JPM) evaluations. More practice under exam conditions as well as more opportunity for coaching in technique from evaluators is hoped to result in improved candidate performance on the walkthrough exam. Candidates are encouraged to verbalize expectations as they perform procedure steps - this should force candidate to evaluate the consequences of actions prior to taking them.

2. Examiners identified a weakness regarding candidates' knowledge of radiological controls (paragraph 2.c.3).

RESPONSE:

(This weakness was identified by NRC in group licensing in February 1994.) Operations Training Manager and NRC exam team chief examiner (S. Cahill) discussed this issue. Mr. Cahill stated that practical RADCON knowledge was the problem. He attributed the deficiency to plant status - not yet living RADCON as a way of life at Watts Bar.

Additional RADCON training has been factored into license prep curriculum. The majority of the candidates in the next license prep group have recent hot plant experience. These two factors should result in improved performance in the RADCON area.

3. Examiners identified a weakness regarding the licensee practice of training primarily on existing Job Performance Measures (JPM) which resulted in poor candidate performance (paragraph 2.c.4).

RESPONSE:

In the past, candidates were given a book of JPMs. This resulted in trainees taking the JPM and performing the task. The desired approach is to use plant procedures when performing tasks. Training no longer issues trainees a copy of JPMs, they are now given a list of tasks. This forces candidates to use plant procedures when performing tasks which should improve procedure knowledge, RNO column familiarity, etc.

RESPONSE TO TRAINING ISSUES IDENTIFIED BY NRC IN MARCH 1994
LICENSE EXAM REPORT #50-390/94-301

4. Examiners identified a non-cited violation of 10CFR55.25 concerning the failure of the licensee to report the change in medical status of licensed operators within 30 days (paragraph 2.g). (Identified to the NRC by WBN)

RESPONSE:

An internal review of license holder medicals revealed a change in medical status for two persons outside the 30-day notification period. NRC was informed, updated form 396's were transmitted to the region and a PER was written. The root cause was determined to be unclear procedural guidance (TRN-11.8) resulting in failure of the medical section to inform Operations and Operations Training of the change in medical restriction status. To prevent recurrence, a check sheet will accompany the NRC medical package requiring the medical section to notify the Operations Training Manager of any change in medical status.

SIMULATOR FACILITY REPORT

1. The simulator booth operators lost communication with the simulator computer which prevented them from inserting malfunctions. The simulator also locked up several times and had to be rebooted. Preliminary investigation revealed that the "A" drive hard disk was the source of the problems and was being evaluated. These malfunctions negatively affected examination administration.

RESPONSE:

Communications loss is believed to have resulted from the software trying to log the position of the sychrosopes. This has been corrected.

The simulator lock up on Master Drive "A" spindown has not been identified in spite of swapping all boards, drives, and performing extensive diagnostics. What we have noticed is that for approximately two weeks after the simulator is turned off for any reason the problem persists.

At this time our recommendation is to not remove power from the simulator for at least two weeks prior to any exams.

RESPONSE TO TRAINING ISSUES IDENTIFIED BY NRC IN MARCH 1994
LICENSE EXAM REPORT #50-390/94-301

2. The RHR pumps failed to start on two separate occasions. This problem is similar to problems encountered when synchronizing the main generator documented in NRC Examination Report 50-390/94-300. The simulator does not respond to switch manipulations that do not correspond with simulator computation cycle windows of opportunity.

RESPONSE:

The simulator handswitch contacts need more maintenance. We are purchasing spare switch parts to be used as a rapid response to noted switching problems.

3. Paging phones in the simulator and the main control room are different models. The control room phone possesses several zone functions that are not available on the simulator. Additionally, the method of actuation is different for each phone type.

RESPONSE:

We are currently trying to determine the manufacturer of the paging phones in the control room. This equipment is old and we may not be able to purchase the exact model, if not we will either write a certification exception or have a similar device manufactured.