

Yellow

April 2, 1986

✓ 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: MEETING SUMMARY

This refers to the management meeting conducted at the Tennessee Valley Authority's Chattanooga headquarters on February 21, 1986. The meeting was held to discuss the corrective actions planned by TVA to improve the effectiveness of licensed operator training at the Browns Ferry Nuclear Plant. The need for this improvement was indicated by the evaluation of the Brown's Ferry Requalification Training Program (Examination Report 50-259/OL-85-03).

In accordance with Section 2.790 of the NRC's "Rules of Practice", Part 2, Title 10, Code of Federal Regulations, a copy of this letter and its enclosure will be placed in the NRC Public Document Room.

Should you have any questions concerning these matters, we will be pleased to discuss them.

Sincerely,

(Original signed by JA01shinski)

John A. Olshinski
Deputy Regional Administrator for TVA

Enclosure:
Meeting Summary

cc w/encl:
✓ W. Bibb, Site Director
✓ R. Lewis, Plant Manager
✓ R. J. Johnson, Nuclear Training
Manager

bcc w/encls: (See page 2)

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PDR ADOCK 05000259
V PDR

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IE45

bcc w/encl:

- ✓ J. N. Grace, RII
- ✓ B. A. Wilson, RII
- ✓ F. S. Cantrell, RII
- ✓ H. R. Denton, NRR
- ✓ H. L. Thompson, NRR
- ✓ J. M. Taylor, IE
- ✓ B. B. Hayes, OI
- ✓ S. Connley, OIA
- ✓ R. J. Clark, Licensing
Project Manager, NRR
- ✓ NRC Resident Inspector
Document Control Desk
State of Alabama

*SEE PREVIOUS CONCURRENCE

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|-----------|---------|---------|-----------|--------|---------------------|
| *RII | *RII | *RII | *RII | *RII | RII |
| KBrockman | BWilson | CJulian | DVerrelli | SWeise | RDWalker |
| 3/ /86 | 3/ /86 | 3/ /86 | 3/ /86 | 3/ /86 | 3/ /86 |

bcc w/encl:
 J. A. Olshinski, RII
 F. Cantrell, RII
 H. R. Denton, NRR
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 Document Control Desk
 State of Alabama

See Previous Concurrence

RII
KB
 KBrockman
 3/10/86

RII
BW
 BWilson
 3/10/86

RII
CJ
 CJulian
 3/2/86

RII
AB
 AFGibson
 03/26/86

RII
DV
 DVerrelli
 3/1/86

RII
SW
 SWeise
 4/1/86

RII
RD
 RDWiker
 3/1/86

ENCLOSURE

MEETING SUMMARY

Licensee: Tennessee Valley Authority
Facility: Browns Ferry Nuclear Plant
License Nos.: DPR-33, DPR-52 and DPR-68
Docket Nos.: 50-259, 50-260 and 50-296
Subject: Browns Ferry Requalification Training Program

On February 21, 1986, representatives of Tennessee Valley Authority (TVA) met with the NRC at TVA offices in Chattanooga, Tennessee. Mr. R. G. Jones of the Browns Ferry Training Department made a presentation outlining the proposed action plan which TVA has developed to upgrade the knowledge, skills and abilities of its licensed operators. The details of the plan, including tentative schedules for implementation, are attached to this summary.

NRC representatives stated that Browns Ferry licensed operators would be reexamined by the NRC upon completion of this remedial training program. As a minimum, all personnel who failed the NRC-administered Requalification Exam, plus a sample of the remedial training program participants would be examined. TVA was requested to respond to Examination Report 50-259/OL-85-03 and propose dates for reexamination. All licensed personnel would be required to participate in the training; those who had successfully completed an NRC exam within twelve months of completing the remedial program would be subject to exemption from additional NRC evaluation.

Attachments:
A. View Graphs of Presentation
B. List of Attendees

RESULTS OF ANALYSIS

- **REQUALIFICATION TRAINING TIME TOO SHORT**
- **PRE-TMI TRAINED OPERATORS WERE WEAK IN BASICS**
- **RAISE EXPECTATION LEVELS IN THE CLASSROOM AND SIMULATOR**
- **IMPROVEMENT IN REACTOR THEORY, HEAT TRANSFER AND FLUID FLOW MATERIAL**

TRAINING ACTION PLAN

1986 LICENSED OPERATOR REQUALIFICATION PROGRAM

PHASE I - 8 WEEKS

- REACTOR THEORY - 2 WEEKS
- HEAT TRANSFER AND FLUID FLOW - 2 WEEKS
- PLANT SYSTEMS - 4 WEEKS

PHASE II - 6 WEEKS

- SIMULATOR TRAINING - 3 WEEKS
- EOI TRAINING - 1 WEEK (CLASSROOM)
- ADMINISTRATIVE, REP, WALK-THRUS - 1 WEEK
- REVIEW - 1 WEEK

PHASE III - 2 WEEKS

- SIMULATOR AND FINAL WRITTEN EXAM - 1 WEEK
- NRC EXAM - 1 WEEK

TENTATIVE SCHEDULE

GROUP 1
HOT LICENSE
&
REQUAL
2/10/86 6/16/86

GROUP 2 REQUAL
7/7/86 11/17/86

GROUP 3 REQUAL
12/01/86 4/20/87

HOT LICENSE HOT LICENSE
3/10/86 12/08/86

SUMMARY

- **PROGRAM BRINGS ALL OPERATORS TO POST-TMI KNOWLEDGE LEVEL**
- **ELIMINATES OPERATOR DEFICIENCIES IDENTIFIED IN BOTH THE CLASSROOM AND SIMULATOR**
- **CONTINUE AN EXPANDED REQUALIFICATION FOR 1987 AND BEYOND (NOMINALLY 8 WEEKS PER YEAR)**
- **STANDARDIZATION AND UPGRADE OF MATERIAL USED FOR REACTOR THEORY, HEAT TRANSFER AND FLUID FLOW TRAINING**
- **CONTINUE TO IMPROVE THE COMMITMENT AND COOPERATION BETWEEN THE PLANT AND TRAINING**

ATTACHMENT B

**OPERATORS TRAINING
NRC MEETING
FEBRUARY 21, 1986
ATTENDANCE LIST**

NAME

ORGANIZATION

| | |
|-----------------|-------------------------------------|
| G. L. Paulk | NRC Senior Inspector |
| F. S. Cantrell | RII - Proj. Sect. |
| Bruce Wilson | RII - Section Chief |
| Albert Gibson | RII - Director, Reactor Safety Div. |
| Ken Brockman | RII - Licensing Examiner |
| John Munro | RII - Licensing Examiner |
| Clyde Shiraki | NRC- HQ - Examiner |
| C. C. Mason | TVA - Deputy Director, Nuc. Power |
| Bob McKeon | TVA - BFN Operations |
| Bob Lewis | TVA - BFN Plant Manager |
| Bill Bibb | TVA - BFN Site Director |
| R. Joe Johnson | TVA - Nclr Training Branch |
| R. G. Jones | TVA - Nclr Training Branch |
| David Pullen | TVA - Site Rep. for TVA Nclr Power |
| Michael Hellums | TVA - Licensing |