

Yellow

April 4, 1985

Tennessee Valley Authority
ATTN: Mr. H. G. Parris
Manager of Power and Engineering
500-A Chestnut Street, Tower II
Chattanooga, TN 37401

Gentlemen:

SUBJECT: MEETING SUMMARY - TENNESSEE VALLEY AUTHORITY LICENSING AND DEVELOPMENT PROGRAM (ENGINEER OPTION)

This refers to the meeting held with members of your staff in Region II at your request on February 25, 1985, to discuss Tennessee Valley Authority's (TVA) proposed program for training and licensing staff engineers at the senior reactor operator (SRO) level.

It is our opinion that the meeting was beneficial and provided for a better mutual understanding of TVA's proposed Licensing and Development Program (Engineer Option) with respect to instant SRO licensing eligibility requirements. Your cooperation with us is appreciated.

In accordance with Section 2.790 of 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's Public Document Room.

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

Sincerely,

Original Signed by
Roger D. Walker

Roger D. Walker, Director
Division of Reactor Projects

Enclosure:
Meeting Summary

cc w/encl:
R. J. Johnson, Chief, Nuclear
Training Branch

bcc w/encl:
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ENCLOSURE

MEETING SUMMARY

Date: February 25, 1985

SUBJECT: TENNESSEE VALLEY AUTHORITY (TVA) LICENSING AND DEVELOPMENT
PROGRAM - (ENGINEER OPTION)

TVA Representatives:

R. J. Johnson, Branch Chief
L. H. Sain, Assistant Branch Chief
C. H. Noe, Supervisor of Training
L. Holliman, Head of Personnel

NRC Personnel:

F. S. Cantrell, Reactor Projects Branch Chief
A. F. Gibson, Operations Branch Chief
B. A. Wilson, Operator Licensing Section Chief

TVA presented a proposed program for training engineers to become eligible for instant Senior Resident Operator (SRO) examinations and licensing. Once licensed, these individuals would be used in line positions such as Assistant Shift Engineer (ASE) with progression to Shift Engineer (SE).

The program was designed for three categories of engineers: Shift Technical Advisor (STA), plant experienced engineers, and non-plant experienced engineers. TVA regards 18 months as the time criteria for differentiating between the latter two categories. A program outline (attached) was presented. The engineer option of the program is 117 weeks in length while the STA option is 51 weeks long. Non-plant experienced engineers selected from the program would require 18 months' experience in addition to the 117-week program.

The NRC staff noted that the training phase of the program appeared to exceed any similar "equivalent cold licensing program" for instant SRO both in content and length. The 18 months, however, was 6 months short of the two-year plant staff engineer requirement of NUREG-0737. TVA requested the staff to consider the extensive in-plant portions of their training program in lieu of the six months' experience.

Attachment:
Program Outline

**OFFICE OF NUCLEAR POWER MANAGER
LICENSING AND DEVELOPMENT PROGRAM
(ENGINEER OPTION)**

PHASE I	<u>SUBJECT</u>	<u>LENGTH</u>
POTC	A. Turbines	5 Weeks
	B. Reactor Theory	11 Weeks
	C. Management Trng	<u>3 Weeks</u>
	Total	19 Weeks
PHASE II		
PLANT	A. Plant Technology	22 Weeks
	B. Plant Experience	20 Weeks
	C. Comprehensive Oral and Written Exam	<u>—</u>
	Total	42 Weeks
PHASE III		
	A. UO Electrical Upgrade Trng	4 Weeks
	B. HOT License Program	13 Weeks
	C. UO Observation Trng	<u>12 Weeks</u>
	Total	29 Weeks
PHASE IV		
	A. ASE Electrical Upgrade Trng	6 Weeks
	B. ASE Accreditation Exam	<u>—</u>
	C. Small Reactor Trng	1 Week
	D. SRO Observation Trng	12 Weeks
	E. Pre License Trng	7 Weeks
	F. NRC SRO Exam	<u>—</u>
	G. Management Trng	<u>1 Week</u>
	Total	27 Weeks
	Grand Total	117 Weeks

**PROMOTION TO ASE - M-4 ON PLANT SHIFT SERVES 15
MONTHS ON SHIFT AS AN ASE TO BE ELIGIBLE FOR M-5
SE ACCREDITATION EXAM**

**OFFICE OF NUCLEAR POWER
LICENSING AND DEVELOPMENT PROGRAM
(STA OPTION)**

PHASE III	<u>SUBJECT</u>	
A.	Management Trng	1 Week
B.	UO Electrical Upgrade Trng	4 Weeks
C.	Hot License Trng	7 Weeks
D.	UO Observation Trng	<u>12 Weeks</u>
Total		24 Weeks
 PHASE IV		
A.	ASE Electrical Upgrade Trng	6 Weeks
B.	ASE Accreditation Exam	—
C.	Small Reactor Trng	1 Week
D.	SRO Observation Trng	12 Weeks
E.	Pre-License Trng	7 Weeks
F.	NRC SRO Exam	—
G.	Management Trng	<u>1 Week</u>
Total		27 Weeks
Grand Total		51 Weeks

**PROMOTION TO ASE - M-4 ON A PLANT SHIFT
SERVES 15 MONTHS ON SHIFT AS AN ASE TO
BE ELIGIBLE FOR M-5 ACCREDITATION EXAM**