

January 30, 1996

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

SUBJECT: MEETING SUMMARY - WATTS BAR - TO DISCUSS LICENSING READINESS

Dear Mr. Kingsley:

This letter refers to the management meeting conducted at our request at the Watts Bar site on January 25, 1996. The purpose of the meeting was to discuss with TVA the readiness of Watts Bar Unit 1, to receive a full power operating license.

It is our opinion that this meeting was beneficial and provided a better understanding of TVA's activities associated with the Watts Bar facility.

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

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

Sincerely,

(Original signed by J. R. Johnson)

Johns P. Jaudon, Deputy Director
Division of Reactor Safety

Docket Nos. 50-390, 50-391
License No. NPF-20 and
Construction Permit No. CPPR-92

Enclosures: 1. List of Attendees
2. Presentation Summary

cc w/encls: (See page 2)

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9602120056 960130
PDR ADOCK 05000390
P PDR

IC 45

TVA

2

cc w/encls:

Mr. O. J. Zeringue
Senior Vice President
Nuclear Operations
Tennessee Valley Authority
3B Lookout PL
1101 Market ST
Chattanooga, TN 37402-2801

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

Mr. D. E. Nunn, Vice Pres.
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. P. P. Carrier, Manager
Corporate Licensing
4G Blue Ridge
1101 Market Street
Chattanooga, TN 37402-2801

Ms. Beth Zilbert, Energy
Campaigner
Greenpeace
20 13th Street, NE
Atlanta, GA 30309

Mr. Bruce 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

The Honorable Robert Aikman
County Executive
Rhea County Courthouse
Dayton, TN 37381

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

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

Ms. Michelle Neal
Energy Project
The Foundation for Global
Sustainability
P. O. Box 1101
Knoxville, TN 37901

Ms. Ann Harris
305 Pickel Road
Ten Mile, TN 37880

Mr. James P. Riccio
Public Citizen
4340 Georgetown Square, #612
Atlanta, GA 30338

Distribution w/encls: (See page 3)

TVA

3

Distribution w/encls:

S. D. Ebnetter, ORA/RII
E. W. Merschhoff, DRP/RII
A. F. Gibson, DRS/RII
F. J. Hebdon, NRR
A. P. Hodgdon, OGC
B. K. Keeling, GPA/CA
G. M. Tracy, OEDO
P. S. Tam, NRR
G. A. Hallstrom, RII
PUBLIC

U.S. Nuclear Regulatory Commission
Watts Bar Nuclear Plant
1260 Nuclear Plant Road
Spring City, TN 37381

SEND TO PUBLIC DOCUMENT ROOM?		<input checked="" type="checkbox"/> YES		NO			
OFFICE	DRP/RII						
SIGNATURE	<i>P. Taylor</i>						
NAME	PTaylor						
DATE	01/30/96	01 / / 96	01 / / 96	01 / / 96	01 / / 96	01 / / 96	01 / / 96
COPY?	<input checked="" type="checkbox"/> YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY

DOCUMENT NAME: G:\BR6.WAT\MTG-SUM.J25

LIST OF ATTENDEES

<u>Name</u>	<u>Title</u>
<u>NRC Staff</u>	
S. Varga	Director, Division of Reactor Projects I/II, Office of Nuclear Reactor Regulation, (NRR)
S. Ebnetter	Regional Administrator, Region II, (RII)
F. Hebdon	Director, Project Directorate II-3, NRR
J. Jaudon	Deputy Director, Division of Reactor Safety, (DRS), RII
L. Marsh	Director, Project Directorate I-1, NRR
C. Julian	Chief, Projects Branch No. 6, Division of Reactor Projects, (DRP), RII
L. Raghavan	Regional Coordinator, Office of Executive Director of Operations, (OEDO)
P. Vandoorn	Senior Resident Inspector, DRP, RII
S. Cahill	Resident Inspector, DRP, RII
G. Kuzo	Senior Radiation Specialist, DRS, RII
<u>TVA Staff</u>	
O. Kingsley	President and Chief Nuclear Officer
M. Medford	Vice President, Engineering Technical Services
O. Zeringue	Senior Vice President, Nuclear Operations
J. Scalice	Vice President, Watts Bar Site
R. Purcell	Plant Manager
R. Beecken	Manager, Maintenance and Modifications
R. Baron	General Manager, Nuclear Assurance and Licensing
B. Schofield	Manager, Site Licensing
R. Huston	Manager, Licensing, TVA Field Office, Rockville, MD
M. Harding	Manager, Concerns Resolution
D. Kehoe	Manager, Site Nuclear Assurance and Licensing
P. Pace	Manager, Compliance, Site Licensing
R. Mende	Manager, Operations
D. Koehl	Assistant Plant Manager
J. Rupert	Manager, Engineering and Materials
W. Elliott	Manager, Site Engineering
J. Vorees	Manager, Site Licensing/Regulations
L. Gibbs	Secretary, Site Licensing
R. Hardin	Manager, Site Security
M. Davis	Manager, Independent Safety Engineering
B. Bryan	Manager, Nuclear Engineering

TVA/NRC MANAGEMENT MEETING

WATTS BAR UNIT 1

January 25, 1996

Enclosure 2

TVA/NRC MANAGEMENT MEETING

JANUARY 25, 1996

AGENDA

INTRODUCTION AND WATTS BAR OVERVIEW

J. SCALICE

ASSESSMENT OF PLANT PERFORMANCE

R. PURCELL

PERSONNEL

PROCEDURES AND PROCESSES

EQUIPMENT

NUCLEAR ASSURANCE ASSESSMENT

D. KEHOE

CLOSING REMARKS

O. ZERINGUE

POST-LICENSE OPERATIONS CONDUCTED IN CAUTIOUS / DELIBERATE MANNER

FUEL LOADING COMPLETED	NOVEMBER 13, 1995
REACTOR HEAD TENSIONED (MODE 5)	NOVEMBER 17, 1995
INCREASED TEMPERATURE ABOVE 200 DEGREES (MODE 4)	DECEMBER 15, 1995
INCREASED TEMPERATURE ABOVE 350 DEGREES (MODE 3)	DECEMBER 28, 1995
INITIAL CRITICALITY (MODE 2)	JANUARY 18, 1996
LOW POWER TESTING COMPLETED	JANUARY 22, 1996

CONTINUING SELF-CRITICAL APPROACH

PROCESSES CARRIED FORWARD FROM OPERATIONAL READINESS PHASE

LINE DEPARTMENT SELF ASSESSMENTS CONTINUE

SIMILAR TO HOT FUNCTIONAL TESTING PROCESS

MANAGERS REPORT STRENGTHS AND WEAKNESSES

PERFORMANCE ACCEPTABLE, BUT IMPROVEMENT NEEDED IN SOME AREAS TO FULLY MEET MANAGEMENT EXPECTATIONS

NUCLEAR ASSURANCE REVIEWS ONGOING

FORMAL AUDIT PROGRAM - (e.g., FUEL LOAD AUDIT)

ASSESSMENTS (e.g., ROUND-THE-CLOCK COVERAGE OF POWER ASCENSION TESTING)

EMPLOYEES WILLING TO BRING SAFETY CONCERNS TO MANAGEMENT

“ALL HANDS” MEETINGS CONDUCTED

SUCCESSFUL TRANSITION TO AN OPERATING ORGANIZATIONAL STRUCTURE

WORK FORCE REDUCTIONS RESULTED IN OVER 1600 EXITING EMPLOYEES SINCE
SEPTEMBER

EXITING EMPLOYEES INDICATE WILLINGNESS TO BRING SAFETY CONCERNS TO
MANAGEMENT

THE NUMBER OF ISSUES CONTINUES TO TREND DOWNWARD

PERSONNEL PERFORMANCE CONTINUES TO IMPROVE

OVERALL ASSESSMENT OF PERSONNEL PERFORMANCE

STRIVING FOR EXCELLENCE

FUEL LOAD AND INITIAL TESTING CONDUCTED IN CAUTIOUS AND DELIBERATE MANNER

OPERATIONS DEMONSTRATING CONSERVATIVE DECISION MAKING

AREAS FOR IMPROVEMENT

OPERATOR AWARENESS

SURVEILLANCE CRITERIA

CONFIGURATION STATUS CONTROL

PROCESSES / PROCEDURES ARE EFFECTIVE

OVERALL, OUR PROCEDURES AND PROCESSES ARE PROVING EFFECTIVE

MAINTENANCE -GENERALLY SATISFACTORY

OPERATIONS - POWER ASCENSION TEST PROCEDURES REVIEWED AGAINST OPERATING PROCEDURES PRIOR TO PERFORMANCE

REVIEW ITEMS RESOLVED PRIOR TO TEST

SURVEILLANCE PROCEDURES

-SOME APPLICABILITY REQUIREMENTS INCONSISTENT

-ESSENTIAL RAW COOLING WATER VALVES

PLANT EQUIPMENT IS PERFORMING WELL

TESTING TO DATE HAS SHOWN PLANT EQUIPMENT PERFORMING AS DESIGNED

BACKLOGS ARE LOW

DOCUMENT TYPE	BACKLOG GOAL	CURRENT BACKLOG 1/21/96
WORK ORDERS/WORK REQUESTS		
CORRECTIVE MAINTENANCE	200	184
OTHER WO/WRs	500	411
CORRECTIVE ACTION PROGRAM	35	81
DOCUMENTS		
SUPPORT S-DCNs	50	62
NUCLEAR EXPERIENCE REPORTS	40	32
NRC OPEN ITEMS & COMMITMENTS	30	39
TOTAL	<900	809

CRAFT TAKING PRIDE IN MATERIAL CONDITION

HOUSEKEEPING...HIGH STANDARDS BEING MAINTAINED

QUESTIONING ATTITUDE (e.g., AIR HANDLING UNIT FAN SHAFTS)

ROD CONTROL AND ROD POSITION INDICATION

RADIATION MONITORING SYSTEM AVAILABILITY REMAINS HIGH

AVAILABILITY OF SYSTEM TRENDED WEEKLY

EQUIPMENT PERFORMANCE IMPROVING

RECENT REVIEWS OF SYSTEM COMPLETION CONFIRM DESIGN, CONSTRUCTION, AND TESTING

CONTINUED EXCELLENT PERFORMANCE IN EMERGENCY PLANNING

SUCCESSFUL FULL PARTICIPATION EXERCISE CONDUCTED ON NOVEMBER 29, 1995

TVA (CORPORATE AND WATTS BAR SITE), STATE OF TENNESSEE, AND LOCAL COMMUNITIES RECEIVED HIGH MARKS

DRILL SCENARIOS USING "PRA" INPUT

ASSEMBLY AND ACCOUNTABILITY DRILLS SUCCESSFUL

EMERGENCY RESPONSE DATA SYSTEM FUNCTIONAL

POWER ASCENSION TEST PROGRAM IS READY TO CONTINUE

PRE-CRITICAL TESTS WERE COMPLETED AS REQUIRED

LOW POWER TESTS HAVE BEEN SUCCESSFULLY COMPLETED

TESTING PLATEAUS AND KEY TESTS:

30%	INITIAL GENERATOR SYNCHRONIZATION TO GRID
50%	10% LOAD SWING, LOSS OF OFFSITE POWER
75%	INCORE-EXCORE CROSS-CALIBRATION
100%	10% LOAD SWING 50% LOAD REJECTION 100% PLANT TRIP SHUTDOWN FROM OUTSIDE CONTROL ROOM WARRANTY RUN STEAM GENERATOR MOISTURE CARRYOVER DETERMINATION

**NUCLEAR ASSURANCE PERFORMING IN-DEPTH
ASSESSMENTS OF SITE ACTIVITIES**

FORMAL AUDIT - CORPORATE LEAD - FUEL LOAD ACTIVITIES

ROUND THE CLOCK ASSESSMENT OF POWER ASCENSION TEST PROGRAM

MAINTENANCE IMPROVEMENT EFFORT - FEEDBACK TO MAINTENANCE MANAGEMENT

LEVEL I TREND ANALYSIS ("WINDOWS" REPORT) - PROCESS/ORGANIZATIONAL PERFORMANCE

INCIDENT INVESTIGATIONS - ASSESS EACH INVESTIGATION FOR EFFECTIVENESS

CORRECTIVE ACTION PROGRAM - LINE SENSITIVITY - ANALYSIS OF REPETITIVE OCCURRENCES

RESULTS OF NUCLEAR ASSURANCE ASSESSMENTS SINCE LOW POWER LICENSE

PROCESS / ORGANIZATIONAL PERFORMANCE IMPROVEMENT

PROCESS / ORGANIZATIONAL PERFORMANCE ADEQUATE - DEFICIENCIES BOUNDED AND RESOLVED

LINE RESPONSE TO DEFICIENCIES - PROMPT, CRITICAL, AND IN-DEPTH, CONTINUOUS IMPROVEMENT

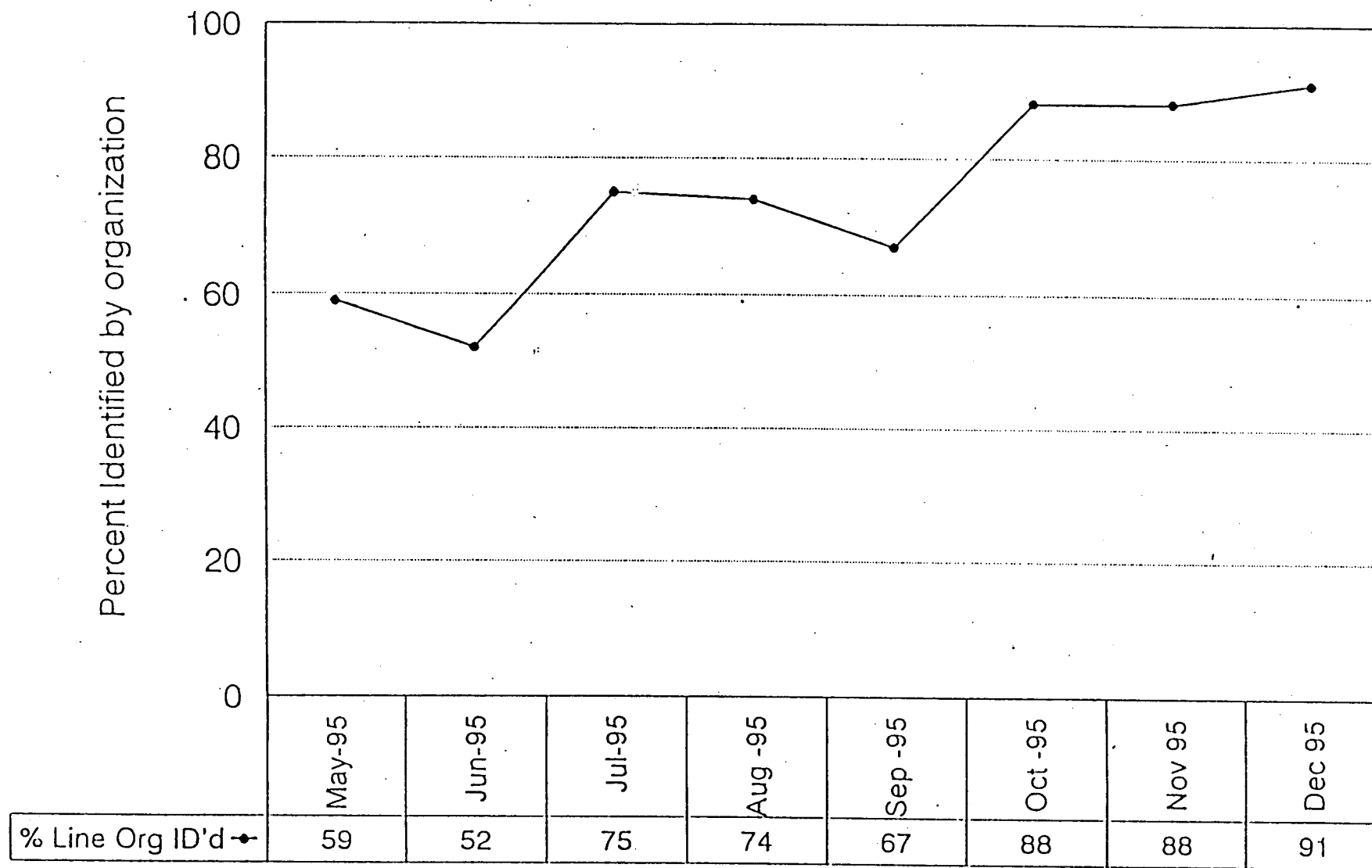
LINE SENSITIVITY TO PROBLEM IDENTIFICATION GOOD AND IMPROVING

LEVEL I TREND ANALYSIS (WINDOWS REPORT) - OVERALL PERFORMANCE SATISFACTORY

FROM A NUCLEAR ASSURANCE PERSPECTIVE, WBN PERSONNEL, PROCESSES, AND PLANT PERFORMANCE ARE SATISFACTORY

WATTS BAR NUCLEAR PLANT

CORRECTIVE ACTION PROGRAM: SITEWIDE INITIATIONS



NUCLEAR ASSURANCE IS READY TO SUPPORT POWER OPERATIONS

CROSS TRAINING ASSIGNMENTS AT OPERATING UNITS SUCCESSFUL

NUCLEAR ASSURANCE ANALYTICAL CAPABILITY IS GOOD AND IMPROVING

OVERSIGHT EFFORTS APPROPRIATE AND IN-DEPTH

NUCLEAR ASSURANCE IS READY

READY FOR FULL POWER OPERATION

PLANT SYSTEMS HAVE BEEN TESTED

PERSONNEL, PROCEDURES, AND PROCESSES HAVE BEEN PROVEN

TVA IS READY FOR NRC TO ISSUE THE FULL POWER LICENSE