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: BROWNS FERRY UNIT 3 STATUS MEETING - MANAGEMENT MEETING SUMMARY

Dear Mr. Kingsley:

On February 12, 1996, the NRC staff met at the NRC Region II Office with representatives of the Tennessee Valley Authority (TVA) management staff to discuss the status of Browns Ferry Unit 3 since the return of the Mit to power operations.

Enclosure 1 is a list of the individuals who attended the meeting and Enclosure 2 is the handout material supplied by TVA.

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 enclosures will be placed in the NRC Public Document Room.

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

Sincerely,

Mark S. Lesser, Chief Reactor Project Branch 6 Division of Reactor Projects

Docket Nos. 50-259, 50-260, 50-296 License Nos. DPR-33, DPR-52, DPR-68

Enclosures: 1. List of Attendees

2. Presentation Notes

cc w/encls: (See page 2)

9602210311 960215 PDR ADOCK 05000259 PDR

510116

cc w/encls: Mr. O. J. Zeringue, Senior Vice Pres. Nuclear Operations Tennessee Valley Authority 3B Lookout Place 1101 Market Street 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. R. D. Machon, Site Vice Pres. Browns Ferry Nuclear Plant Tennessee Valley Authority P. O. Box 2000 Decatur, AL 35602

General Counsel Tennessee Valley Authority ET 11H 400 West Summit Hill Drive

Knoxville, TN 37902

Mr. P. P. Carier, Manager Corporate Licensing 4G Blue Ridge 1101 Market Street Chattanooga, TN 37402-2801 Mr. T. D. Shriver, Manager Nuclear Assurance & Licensing Browns Ferry Nuclear Plant Tennessee Valley Authority P. O. Box 2000 Decatur, AL 35602

Mr. Pedro Salas Site Licensing Manager Browns Ferry Nuclear Plant Tennessee Valley Authority P. O. Box 2000 Decatur, AL 35602

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

Chairman Limestone County Commission 301 West Washington Street Athens, AL 35611

State Health Officer Alabama Dept., of Public Health 434 Monroe Street Montgomery, AL 36130-1701

Distribution w/encls: (See page 3)

Distribution w/encls:

E. W. Merschoff, RII M. S. Lesser, RII

F. J. Hebdon, NRR
J. F. Williams, NRR
S. M. Shaeffer, RII
G. T. MacDonald, RII

C. F. Smith, RII G. B. Kuzo, RII

D. H. Thompson, RII J. H. Moorman, RII

PUBLIC

NRC Senior Resident Inspector U.S. Nuclear Regulatory Commission 10833 Shaw Road Athens, AL 35611

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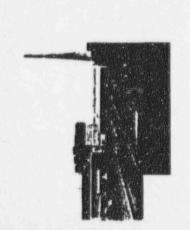
LIST OF ATTENDEES

NRC

- S. D. Ebneter, Regional Administrator, Region II (RII)
- J. R. Johnson, Deputy Director, Division of Reactor Projects (DRP), RII
- A. F. Gibson, Director, Division of Reactor Safety (DRS), RII
- M. S. Lesser, Chief, DRP, Branch 6, RII
- L. D. Wert, Senior Resident Inspector, DRP, Branch 6, RII
- C. A. Casto, Chief, Engineering Branch, DRS, RII
- S. M. Shaeffer, Project Engineer, DRP, Branch 6, RII
- F. J. Hebdon, Director, Project Directorate (PD) II-3, Office of Nuclear Reactor Regulation (NRR)
- J. F. Williams, Project Manager, PD II-3, NRR

TVA

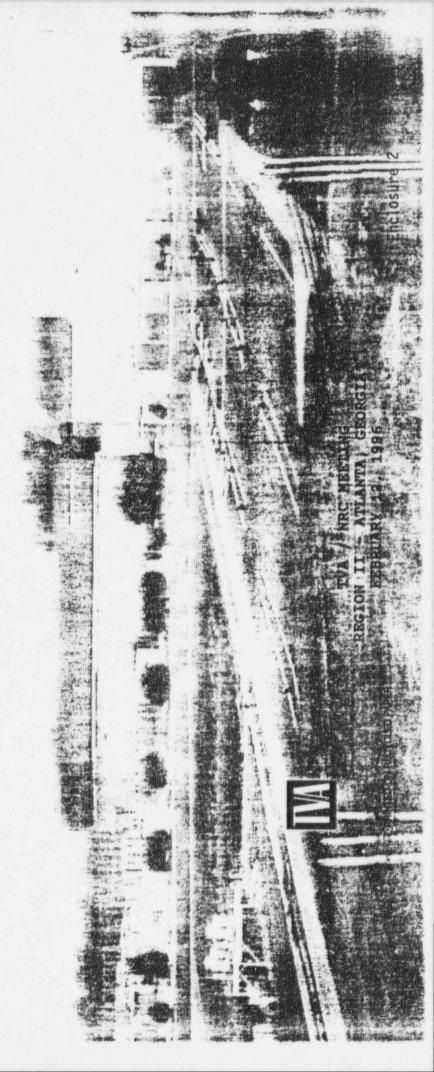
- O. Kingsley, President, TVA Nuclear
- J. Maciejewski, General Manager Nuclear Assurance and Licensing
- R. Machon, Senior Vice President, Browns Ferry Nuclear Plant (BFN)
- G. Preston, Plant Manager, BFN R. Jones, Operations Manager, BFN
- T. Shriver, Nuclear Assurance and Licensing Manager, BFN
- P. Salas, Licensing Manager, BFN



Tennessee Valley Authority (TVA)

Browns Ferry Nuclear Plant (BFN)

Unit 3 Status Briefing



AGENDA

1.0	Introductions	R. Machon
2.0	Schedules	
	2.1 Integrated Schedule	R. Machon
3.0	Organization	R. Machon
4.0	Unit 3 Operational Self Assessments	
	4.1 Departmental Assessments	G. Preston
	4.2 System Windows	G. Preston
5.0	Unit 3 Operations	
	5.1 Power Ascension Test Program	R. G. Jones
	5.2 Operational Issues	R. G. Jones
6.0	Quality Assurance Activities	T. Shriver
7.0	Employee Concerns	R. Machon
8.0	Licensing Project Plan	P. Salas
9.0	Emerging Issues	G. Preston
10.0	Backlog Summaries	G. Preston
11.0	Summary / Action Items	R. Machon

1.0 INTRODUCTIONS AND MEETING OBJECTIVES

- Update NRC Region II on the Status of Unit 3 Activities Since Restart
- Unit 3 Specific Meetings Will Continue Until Unit 3 Removed From the Watch List
- TVA Will Continue to Have Open Communications with NRC after Removal from the Watch List

INTEGRATED SITE SCHEDULE

2/96 3/96 4/96 5/96 6/96 7/96 8/96 9/96 10/96

Unit 2 Cycle 8 Refueling Outage March 22 - April 19

Mig with Region II
Unit 3 Activities
Lebruary 12, 1996

Mtg. with Region II Unit 3 Activities Mid-April

Mig. with Region II

I ng: / Tech. Spt.
End of Feb.

Mtg. with Region II Operator Performance Early March SALP Presentation Reg. II / NRR Mgmt. Early May

> NRC Senior Mgmt. Meeting Early June

Commission Meeting Early July UNIT 2 ACTIVITIES

UNIT 3 ACTIVITIES

BFN SITE ACTIVITIES

NRC ACTIVITIES

End of BFN SALP

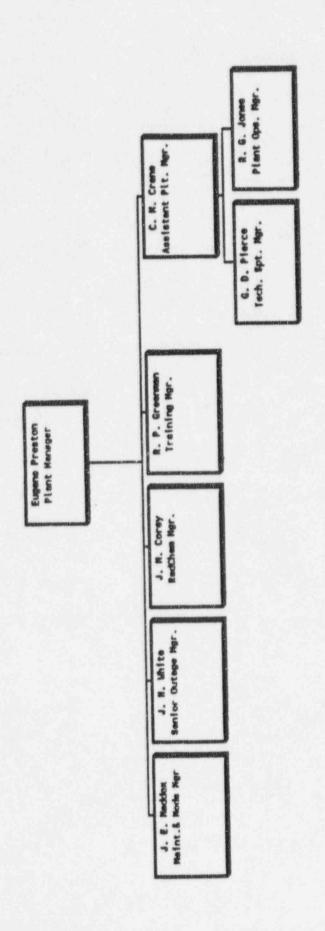
Period

September 21

3.0 ORGANIZATION

- BFN Has Been Realigned Into a Two Operating Unit Organization
 - Chris Crane, Assistant Plant Manager, Assumed Direct Responsibility For Operations and Technical Support Departments
 - R. G. Jones, Former Operations Superintendent, Assumed Position of Operations Manager
 - Robert Greenman Is Manager, Nuclear Training
 - Robert Moll, Former Operations Manager, Is Responsible for Operator Training and Implementation of the Improved Standardized Technical Specifications
 - Other Changes

3.0 ORGANIZATION (CONT.)

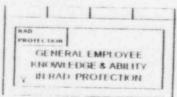


4.0 UNIT 3 OPERATIONAL READINESS REVIEWS 4.1 SELF ASSESSMENTS

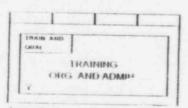
- Quarterly Trend Report
 - Identified Strengths
 - Reactor Engineering
 - Radiological Protection's Low Internal Exposures
 - Radiological Emergency Planning
 - Security
 - Maintenance Facilities and Equipment
 - Outage Management Experience Utilization



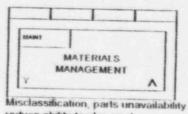
Components found/left in the wrong position such as SDIV vents, scram bypass switch, etc.



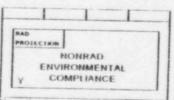
Basic work proficiency remains a problem



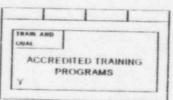
Accreditation renewal objectives sometimes not met. Number and quality of O.H./task performance evaluations not met i ow site management involvement in training



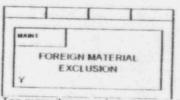
reduce ability to plan work



Negative trend of violations have generated a management alert



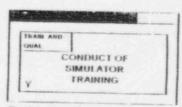
Poor operations knowledge of online maintenance matrix. No OJT for FME monitors, lack of task qualifications for surveillance instructions



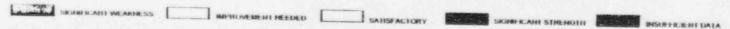
Too many items are being dropped/ lost in exclusion spaces.



Too many cases where procedures were not followed



Decline in performance in areas of crew interaction and communications



BFN FIRST QUARTER 1996 - TREND WINDOWS REPORT AREAS NEEDING IMPROVEMENT



SYSTEM STATUS BFN UNIT 3

1ST QTR FY96

SYSTEM COLOR RATING MATRIX

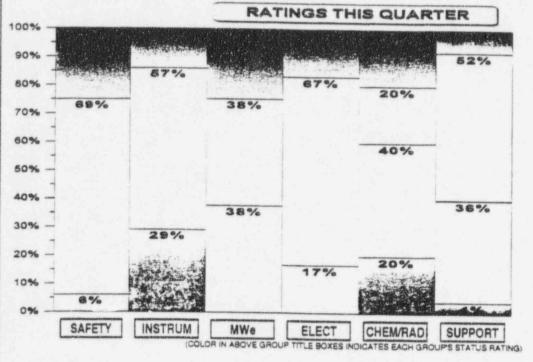
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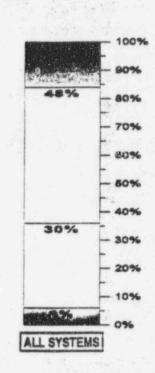


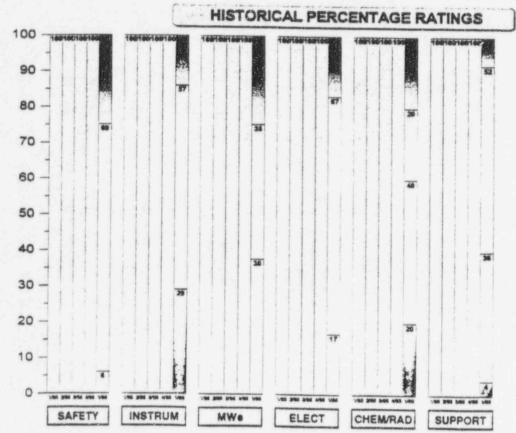
SYSTEM STATUS BFN UNIT 3

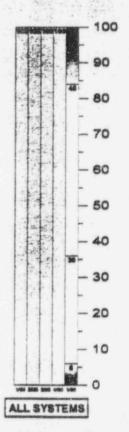
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PERCENTAGE OF SYSTEMS RATED EACH COLOR









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Page 1

FORMULATED BY BFN TS & CORP TS

5.0 UNIT 3 OPERATIONS 5.1 POWER ASCENSION TEST PROGRAM

- Power Ascension Test Program Completed in 32 Days
- 19 Test Procedures Performed. 30 Test Deficiencies Identified. Each Deficiency Satisfactorily Dispositioned. Examples Provided Below.
 - Test Plateau I (Open Vessel Testing): Insulation clearances of less than one-eighth inch noted in 41 locations. Nine locations notched and remaining locations determined to be acceptable as-is.
 - Test Plateau II (0 to 55% Power): LPRM Readings at Panel Did Not Agree With Integrated Computer System. LPRMs Were Repaired.
 - Test Plateau III (55 to 100% Power):
 - Three Pairs of TIP Channels Reversed. Software Change Made to Re-assign Points.
 - Feedwater System Tuning Problems Resolved By Repairing "C" Reactor Feed Pump Turbine Control Linkage. Feedwater Drain Line Thermocouples Replaced To Correct Erroneous Indications. Feedwater Heater Low Level Alarm Setpoint Adjusted To Prevent Spurious Alarms.

5.0 OPERATIONS (CONT.) 5.2 OPERATIONAL ISSUES

- Operator Workarounds
 - Feedwater Heaters Frequently Isolate on Turbine Trip. Will Be Corrected During the Next Refueling Outage.
 - Reactor Feed Pump 3A Discharge Check Valve Does Not Close When RFPT Removed From Service
 - Feedwater Master Level Control Does Not Prevent High Water Level Trip of Feed Pumps Following a Scram. Will Be Corrected During the Next Refueling Outage.
- Maintaining a Low Number of Lit Annunciators
- Currently Less Than Two GPM Combined Identified and Unidentified Containment Leakage
- Offgas Flow Less Than 20 SCFM
- Plant On-line for 69 Days

6.0 QUALITY ASSURANCE ACTIVITIES

- Five Plant Assessments Completed Since Unit 3 Restarted
 - Unit 3 Power Ascension Program
 - One Level C PER Identified for Inadequate Work Order Planning
 - System and Equipment Status Assessment
 - One Level C PER Identified for Weakness in System Status Control That Does Not Preclude Misaligned Valve Event
 - One Level D PER Issued for Valve Incorrectly Labeled
 - Fitness For Duty
 - Effective Management Monitoring and Oversight
 - No Findings or Weaknesses Identified

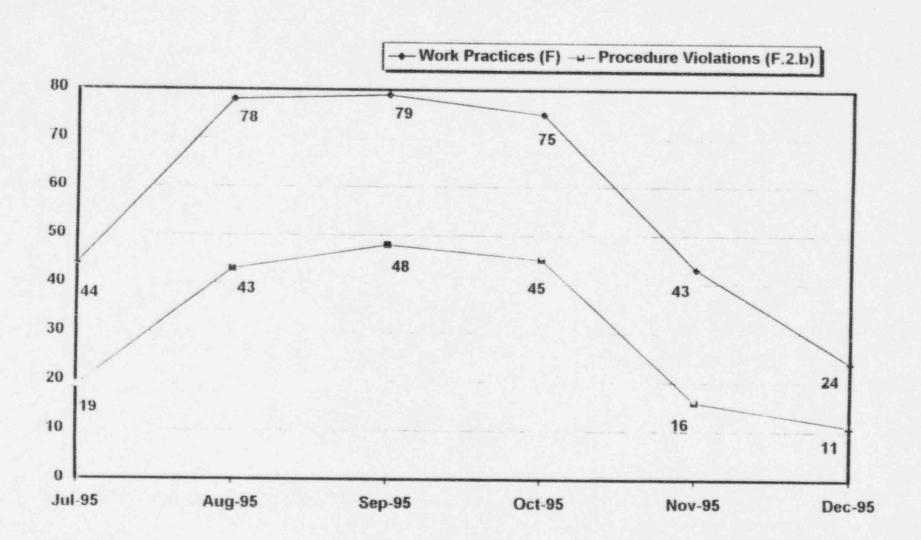
- Plant Assessments Completed Since Unit 3 Restarted (Cont.)
 - Engineering, Modification, and Installation Audit
 - Seven Level C PERs Identified
 - T-DCN Closure
 - Use of Non-Design Output Documents
 - Classification of Computer Software
 - Conflicts Between Fuse Tabulation and EMS Database
 - Use of Assumption Regarding Environmental Qualification of a Cable
 - Omitted References in Implementing Procedures
 - Minor Design Documentation Error
 - Three Level D PERs Corrected During Audit
 - Operations Audit
 - One Level B PER Issued Due to Adverse Trend Associated With Plant Status and Configuration Control Issues
 - Two Level C PERs Issued for a Form Indicating Incorrect Status of Equipment and Conflicting Instructions Concerning TACF Documentation

- Nuclear Assurance and Licensing Focus Areas
- Procedural Adherence
- Primary Focus on Each Assessment Conducted
- Particular Emphasis on Quality of Procedures and Work Order / Procedure Interface 0
- Improving Overall Trend, Particularly In Maintenance and Operations
- Control Room Activities
- Particular Emphasis on Command and Control, Communications, and Status
- Use of SRO Certified / Licensed Personnel and NA&L Management 0
- Extensive Coverage, Including Back Shift
- Overall Improving Trend, Continued Emphasis Required in the Area of Communications

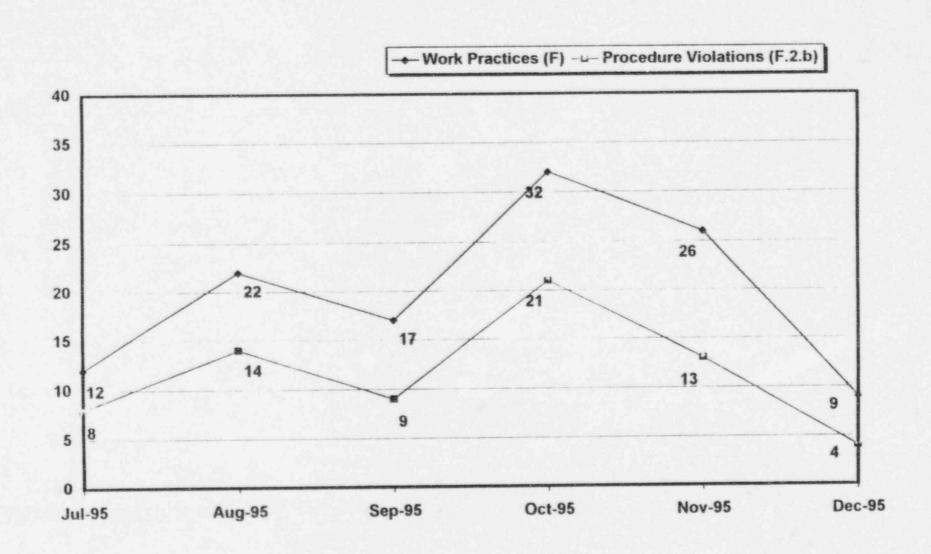
- Nuclear Assurance and Licensing Focus Areas (Cont.)
 - Maintenance Activities
 - In-field Observations
 - Particular Emphasis Placed on Impact of Schedule Pressure, Knowledge of Procedural Requirements, and Supervisory Role in the Field
 - Overall Improving Trend, Particularly in the Area of Procedural Adherence / Work Practices

- Planned Major Activities
 - Implementation of the Outage Assessment Plan
 - Vertical Slice Audit
 - Implementation of an Integrated Performance Assessment Process

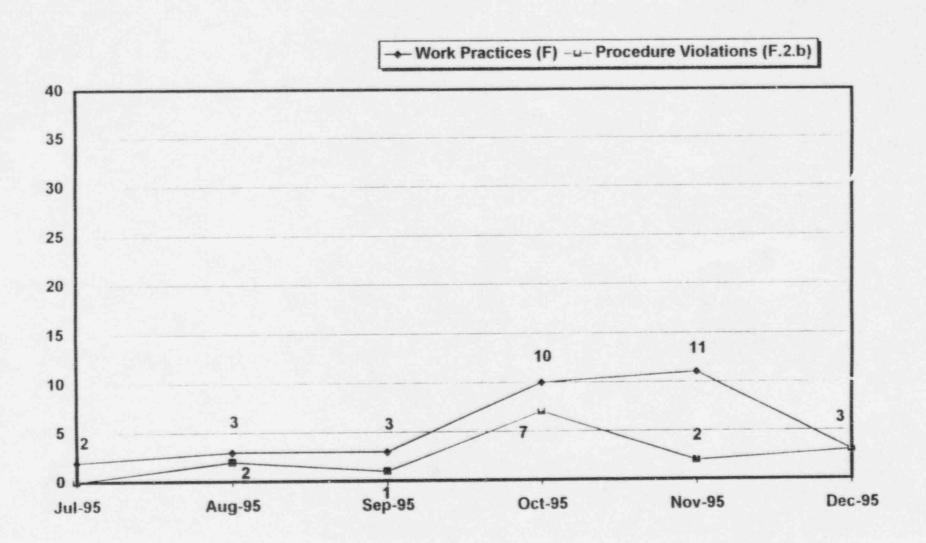
6.0 QUALITY ASSURANCE ACTIVITIES (CONT.) SITE TOTALS - WORK PRACTICE AND PROCEDURE VIOLATIONS



6.0 QUALITY ASSURANCE ACTIVITIES (CONT.) MAINTENANCE AND MODIFICATIONS WORK PRACTICE AND PROCEDURE VIOLATIONS

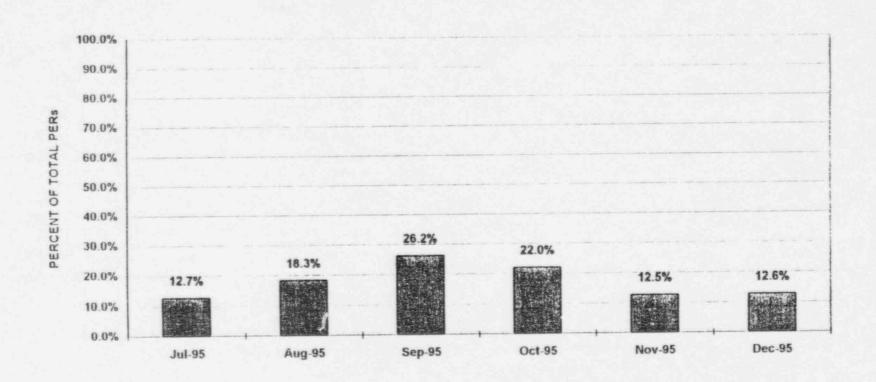


6.0 QUALITY ASSURANCE ACTIVITIES (CONT.) OPERATIONS - WORK PRACTICE AND PROCEDURE VIOLATIONS



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6.0 QUALITY ASSURANCE ACTIVITIES (CONT.) PROCEDURES VIOLATED (PERCENTAGE OF ALL PERS INITIATED)

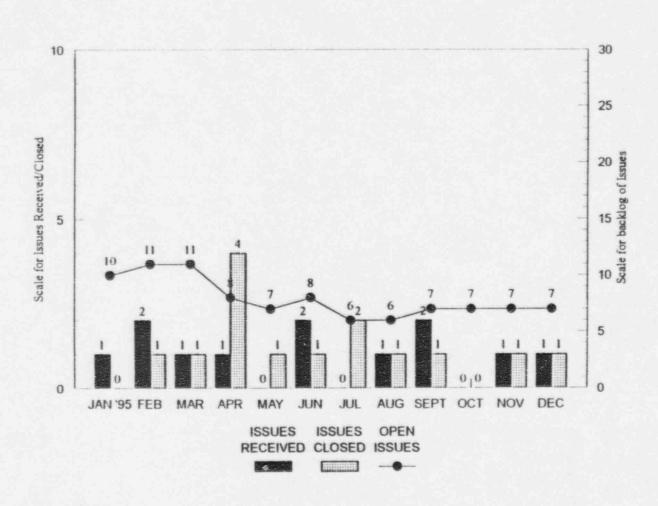


7.0 EMPLOYEE CONCERNS

- TVA Staffing Has Decreased From 1,662 In October 1995 to 1,604 In January 1996.
 Contractor Staffing Has Decreased From 1,607 In October 1995 to 795 In January 1996.
- Unit 3 Restart and Destaffing Has Not Resulted in a Significant Increase In Employee Concerns. For Example:
 - During December, 162 TVA Exit Interviews Conducted With Only One Issue Identified
 - During December, 381 Contacts With Contractor Employee Concerns
 Organizations TVA Exit Interviews Conducted With No New Issues Identified

7.0 EMPLOYEE CONCERNS (CONT.)

Issues Received/Closed



8.0 LICENSING PROJECT PLAN

- Proposed Technical Specification No. 356 Was Submitted on December 22, 1995.
 Utilizes the New Source Term (NUREG-1465) to Increase Allowable MSIV Leakage
 Rate. Lead Application for the Unit 3 Cycle 7 Refueling Outage.
- Generic Letter 94-02, Long-Term Solutions for Thermal-Hydraulic Instabilities, Will Be Resolved By Implementation of Proposed Technical Specification No. 353, Power Range Neutron Monitor Upgrade. Installation Scheduled for the Unit 3 Cycle 7 Refueling Outage and Made Operational the Following Outage.
- Post-Restart Related Commitments Closed by Letter Dated February 8, 1996
- Bulletin 95-02, Unexpected Clogging of a RHR Pump Strainer
 - Suppression Pool and Suction Strainers Cleaned Prior to Restart
 - Tests Performed to Verify Unacceptable Debris Buildup Would Not Occur
 - Program for Suppression Pool Cleaning Will be Developed Prior to Unit 2 Cycle 9 Operation
- USI A-46, Seismic Ruggedness of Equipment, and Related Commitments (E.G., Flexible Conduits, Seismic Portion of IPEEE, and Seismic Class II/I) Will be Completed By March 19, 1996
- ISTS Scheduled for Submittal in July 1996

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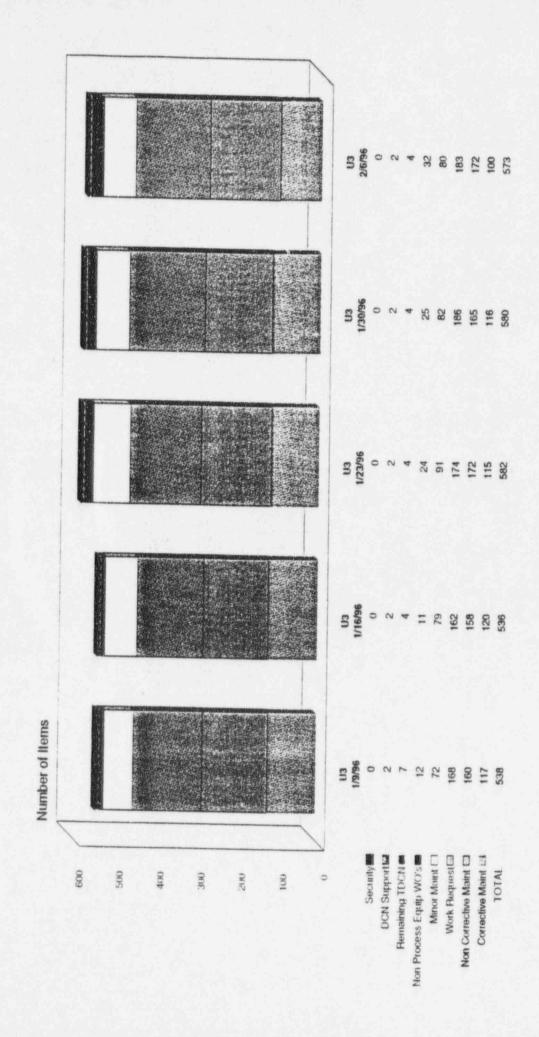
9.0 EMERGING ISSUES

- Slow Scram Insertion Times Caused By Viton Diaphragms in Scram Solenoid Pilot Valves
 - Issue First Identified as a Regulatory Concern When NRC Issued Information Notice 96-07 on January 26, 1996
 - TVA Is Actively Supporting BWROG Regulatory Response Group
 - BFN Has Two CRD'S with Viton Installed on Unit 2 and All Unit 3 CRD Have Viton Valves
 - TVA Is Evaluating the Alternatives for Expediting the Resolution of this Issue in Parallel with the BWROG Activities

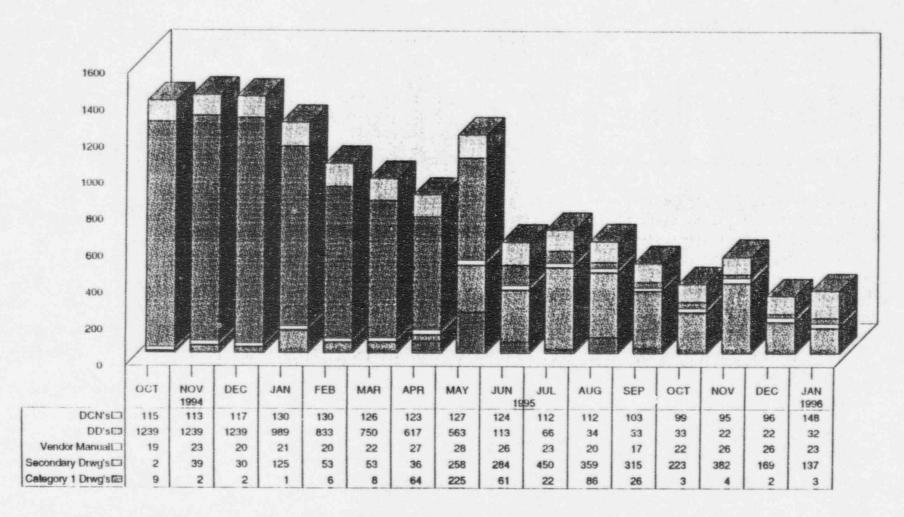
9.0 EMERGING ISSUES (CONT.)

- Sticking ASCO Solenoid Valves in Secondary Containment System
 - Several Cases of ASCO Solenoid Valves in the Secondary Containment Ventilation System Have Failed Due to Sticking. Residue From Lubricant May Have Been Responsible.
 - None of the Valves Which Failed Had Been In Service for Less Than One Year
 - Valves Are Being Replaced With Like Valves That Both Had Been, and Have Not Been, Assembled With Lubricant (Whatever Was Available In Stock)
 - Long-term Resolution Is to Replace the Secondary Containment System
 Solenoid Valves With a New Model That Has Not Exhibited a Sticking Problem

10.0 BACKLOG SUMMARIES
MAINTENANCE
OPEN WORK ORDERS / WORK REQUESTS



10.0 BACKLOG SUMMARIES (CONT.) SITE ENGINEERING UNIT 3 BACKLOG



^{*} There are 2375 secondary drawings backlogged from Unit 3 recovery.

11.0 SUMMARY / ACTION ITEMS