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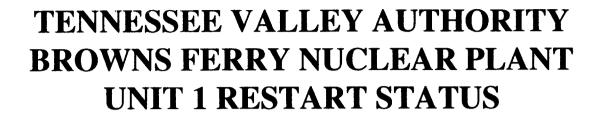
02/10/2003	The attached document(s), which was/were handed out in this meeting, is/are to be placed in the public domain as soon as possible. The minutes of the meeting will be issued in the near future. Following are administrative details regarding this meeting:		
	Docket Number(s)	50-259	
	Plant/Facility Name	Browns Ferry Nuclear Plant, Unit 1	
	TAC Number(s) (if available)		
	Reference Meeting Notice	01/16/2003	
	Purpose of Meeting (copy from meeting notice)	To discuss the status of Browns Ferry Unit 1 Restart	
		Project	
NAME OF PERSON WHO ISSUED MEETING NOTICE Kahtan N. Jabbour			Senior Project Manager
OFFICE			Schiol 1 Toject Manager
Office of Nuclear Reactor Regulation			
DIVISION			
Division of Licen	sing Project Management		
BRANCH			
Project Director	ate II, Section 2		
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NRR/Region II - Rockville, MD February 10, 2003



Agenda

- Introduction
- Background
- Unit 1 Restart Project Objectives
- Unit 1 Restart Organization
- Unit 1 Project Overview and Schedule
- Unit 1 Engineering Activities Status
- Impact on Operating Units
- Unit 1 Maintenance & Modifications Status
- Regulatory Activities Status
- Corrective Action Program/Self Assessments
- Nuclear Assurance Oversight
- Summary and Conclusion

- John Scalice
- Ashok Bhatnagar
- Jon Rupert
- Jon Rupert
- Jon Rupert
- Joe Valente
- Rick Drake
- Rick Drake
- Tim Abney
- Tim Abney
- Steve Tanner
- John Scalice



Background

- All three BFN Units are essentially identical GE BWR4, Mark I Containment reactors
- Designed and constructed by TVA
- Units 1, 2, and 3 licensed in 1973, 1974, and 1976 respectively
- All three BFN units voluntarily shutdown by TVA in March 1985, because of regulatory and management issues
 - TVA committed to obtain NRC approval prior to restart of any BFN unit
 - TVA submitted the Nuclear Performance Plan, Volume 3, in August 1986. It outlined the steps needed to recover the BFN units and was specifically directed to Unit 2

Ashok Bhatnagar 3



Background

- TVA executed Unit 2 restart plan, obtained NRC approval, and restarted Unit 2 on May 24, 1991
- TVA proposed regulatory framework for restart of Units 1 and 3 in July 1991, outlining improvements to the Unit 2 restart plan
- NRC approved the regulatory framework proposed by TVA in April 1992
- TVA executed the Unit 3 restart plan, obtained NRC approval, and restarted Unit 3 on November 19, 1995
- TVA Board of Directors decided on May 16, 2002, to restart Unit 1 after detailed study and favorable Supplemental Environmental Impact Statement

Ashok Bhatnagar



Unit 1 Restart Project Objectives

• Unit Fidelity

- Return Unit 1 to service operationally the same as Units 2 and 3
- Utilize current design criteria
- Utilize existing TVA procedures, programs and processes

• Project Integration

- Extensive integrated planning and scheduling which incorporated lessons learned from Units 2 and 3
- Touch each component, system, and plant area only once
- Return Unit 1 in condition to operate safely, efficiently, and reliably

Jon Rupert



Unit 1 Restart Organization

- Dedicated resources for Unit 1 restart
- TVA management team with experience on restart of Units 2 and 3
- Bechtel is primary engineering contractor, Stone and Webster is primary maintenance and modifications contractor
- Unit 1 team closely integrated with operating units' team
- Organizational structure and strong team in place for restart effort

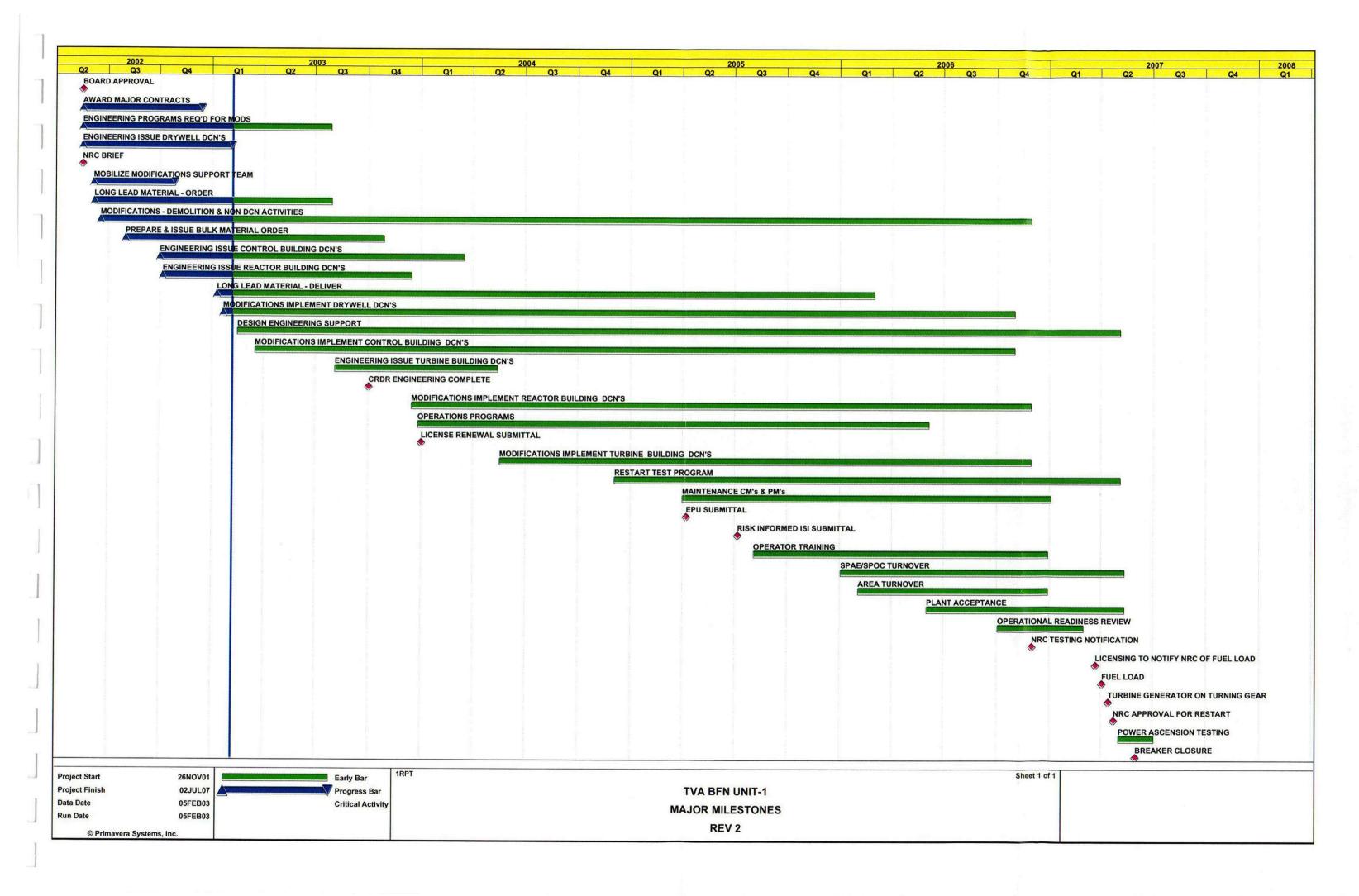
Jon Rupert



Unit 1 Project Overview and Schedule

- Work Scope Required for Unit 1 Restart
 - Nuclear Performance Plan Special Programs
 - Engineering analyses
 - Extensive design changes consistent with Units 2/3 restart
 - Design changes implemented since Units 2/3 restart
 - Future design changes in 5-year BFN Project Plan
 - Corrective/Preventive maintenance
 - Regulatory issues
 - Licensing actions
 - Inservice inspections
 - Restart testing

Jon Rupert





Unit 1 Engineering Activities Status

Program Activities

- Design Criteria Documents complete
- Safe Shutdown Analysis complete
- Operation Mode Calculations complete
- Generic Letter 89-10 Calculations complete
- EQ Basis Calculations complete
- Analytical Limits Calculations complete
- Drywell Related Baseline Calculations complete
- Reactor Building Baseline Calculations in progress
- License Renewal Activities in progress



Unit 1 Engineering Activities Status

• Design Change Packages

- Approximately 360 design change packages required for restart
- 60 design changes issued
- All design changes for the drywell are issued
- Currently, 70 design changes in progress and on schedule for Reactor Building, Control Bay and Turbine Building, and yard

Challenges

- Modifications interface
- Material supplier interactions



Impact on Operating Units

Access Control

- Physical access accommodations
- Personnel Identification
- Training
- Unit color codes
- Unit 1 equipment required for Unit 2/3 operation identifi







Rick Drake



Impact on Operating Units

- Work Control Reviews
 - Experienced Work Control Personnel in Unit 1
 - Work schedules evaluated by operating units' personnel

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Unit 1 Maintenance & Modifications Status

• Completed Activities

- Drywell piping removal
- Drywell cable determinations
- Drywell decontamination

Near-Term Planned Work

- Asbestos abatement
- Extraction steam piping removal
- Condenser retube preparation
- Modifications inside drywell

• Challenges

- Human performance
- Industrial safety
- Constructability of designs

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Regulatory Activities Status

- Proposed Regulatory Framework for Unit 1 Restart Submitted December 13, 2002
- Licensing Actions
 - Relief Requests PD-1 and PD-2 submitted October 25, 2002
 - ISI Program update submitted November 8, 2002
 - Detailed Schedules being developed for 18 license amendments

Tim Abney



Corrective Action Program/Self Assessments

- Corrective Action Program Being Used to Monitor and Improve Quality
 - Management Review Committee Subcommittee reviews all Unit 1 Problem Evaluation Reports (PERs)
 - Extensive efforts to encourage contractors to write PERs
 - Analysis of PER data to identify trends requiring further action
- Self Assessments Completed
 - Drywell Disassembly
 - Drywell Structural Steel Design
 - Asbestos Abatement
 - Contractor Control

Tim Abney



Corrective Action Program/Self Assessments

• Self Assessments Planned FY 03

- Mechanical Baseline Calculations
- Reactor Water Cleanup Design Change Notice
- Auxiliary Power System Analysis
- Appendix R Analysis
- Engineering Training
- Unit Barrier Separations
- Work Plan/Work Order
- Drywell Steel Modification Implementation
- Materials Process
- Drawing Improvement Program
- Corrective Action Program
- Work Control
- Rad Chem Activities
- Integrated Data base (ITEL)

Findings from PERs and Self Assessments

Tim Abney



Nuclear Assurance Oversight

• Nuclear Assurance Staffing

- Quality Control, Quality Programs, and Quality Assessments
- Inspections, Source Surveillances, Assessments, and Evaluation and Analysis
- Experienced Nuclear Assurance staff

Assessments

- Routine Observations
 - ♦ Drywell preparatory work
 - ♦ Program and support activities
- Formal Planned/Scheduled
 - ◆ Engineering Walkdown Program (Completed)
 - ♦ Vertical Slice of RHR System Design (In-progress)
 - ♦ Engineering, Maintenance & Modifications, Support, and Operations

Conclusions

- No significant issues identified to date
- Demonstrated ability to self-identify and resolve problems in Corrective Action Program



Summary and Conclusion