



# Agenda

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- Introduction/Meeting Objectives - Jon Rupert
- Regulatory History - Tim Abney
- Overview and Schedule - Jon Rupert/Joe Valente
- Nuclear Assurance Assessment Activities - Steve Tanner
- Commitment Closure - Tim Abney
- Unit 1 Regulatory Framework - Tim Abney
- Summary and Conclusion - Jon Rupert



## Unit 1 Restart - Introduction/Meeting Objectives

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- Objectives of this meeting are:
  - Provide overview of Unit 1 Restart Project
  - Provide schedule of Unit 1 Restart Activities



# Regulatory History

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- Unit 2 Restart
  - All 3 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
  - NRC issued a “show cause” letter for all TVA nuclear plants in September 1985, under 10 CFR 50.54 (f), and requested TVA to specify corrective actions
  - TVA submitted the Nuclear Performance Plan, Volume 3, in August 1986, outlining the steps needed to recover the BFN units, specifically directed to Unit 2
  - TVA and NRC conducted several meetings and TVA made several submittals to fully define the regulatory actions needed to restart BFN Unit 2
  - NRC issued NUREG 1232, Volume 3, Supplement 2 in January 1991, concluding that TVA’s actions acceptably addressed BFN deficiencies
  - NRC approved Unit 2 restart on May 23, 1991
  - Unit 2 restarted on May 24, 1991



# Regulatory History

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- Unit 3 Restart
  - TVA proposed regulatory framework for restart of Units 1 and 3 in July 1991, outlining improvements from the Unit 2 precedent
  - NRC approved framework proposed by TVA in April 1992
  - Unit 3 restart effort dealt primarily with resolving Special Programs, as the management issues had been resolved for Unit 2 restart
  - NRC staff issued SECY-95-264 recommending restart of Unit 3 on November 1, 1995
  - NRC approved Unit 3 restart on November 15, 1995
  - Unit 3 restarted on November 19, 1995



# Regulatory History

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- Unit 1
  - Based on Energy Vision 2020 recommendations, TVA decided to delay decision on Unit 1 restart
  - Unit 1 was removed from the NRC's problem plant list on June 21, 1996 based on commitments from an April 16, 1996 TVA letter to:
    - Implement same Special Programs on Unit 1 that were done for Unit 3
    - Not restart Unit 1 without prior approval of NRC



# Overview and Schedule

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- Detailed Scoping, Estimate and Planning (DSEP)
  - Extensive effort to support Unit 1 restart decision
  - Utilized key TVA personnel with both discipline expertise and experience on restart of Units 2 and 3
  - Results in organizational structure and strong team in place for recovery effort
- Unit 1 Restart Principles
  - BFN units will be operationally the same at completion of Unit 1 restart
  - Unit 1 restart activities will use plant processes and procedures when available

# Overview and Schedule

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- Workscope Required for Unit 1 Restart
  - Special Programs using criteria consistent with Unit 3 Restart
  - Design changes since Units 2/3 restart
  - Future design changes in 5 year BFN Project Plan
  - Corrective/Preventive Maintenance
  - Regulatory Issues
  - Licensing Actions
  - Inservice Inspection



# Overview and Schedule

## Special Programs

<b>Special Program</b>	<b>Differences in Unit 1 vs. Unit 3 Approach</b>
Configuration Management	None
Design Calculations	None
Equipment Qualification	None
Seismic Design	None
Fire Protection Improvement	None
Instrument Sensing Lines	None
Wall Thinning	None
PRA	Not Required
Component & Piece Part Qualification	None
Electrical Issues	None
Q-List	None
MELB	None
Platform Thermal Growth	None
IGSCC	Complete replacement of recirculation piping
Coatings	None
Restart Test	None
Plant Welding	Not Required
Heat Code Traceability	Not Required





# Current Activities

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- Current Activities
  - Engineering
  - Modifications

# Overview and Schedule

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Level 1 Schedule will go here



# Nuclear Assurance - Assessment Activities

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- Line Ownership of Quality
- Nuclear Assurance Oversight
  - Observations
  - Assessments and Audits
  - Evaluation and Analysis
- Current Status
  - Corrective Action Program
  - Self-Assessment Program
  - Work Performance

# Commitment Closure

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- 268 total open Unit 1 commitments
- 68 associated with Generic Communications
- 70 from LERs, violations and inspections
- 130 from other miscellaneous sources
- These will be evaluated in accordance with NEI 99-04 for potential decommitments



## Unit 1 Regulatory Framework

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- Unit 1 and Unit 3 Regulatory Framework was approved by NRC in April, 1992
- Regulatory Framework for Unit 1 to be reviewed and revised
- Unit 1 Regulatory Framework will include:
  - Summary of Special Programs
  - Submittals required
  - Concurrent licensing actions for all 3 units, where applicable
  - Commitment closure process, consistent with NEI 99-04 and TVA SPP 3.3
  - Actions needed for NRC restart approval
  - Format, structure and frequency of periodic meetings
- TVA intends to submit proposed Regulatory Framework document by December 31, 2002



## Summary and Conclusion