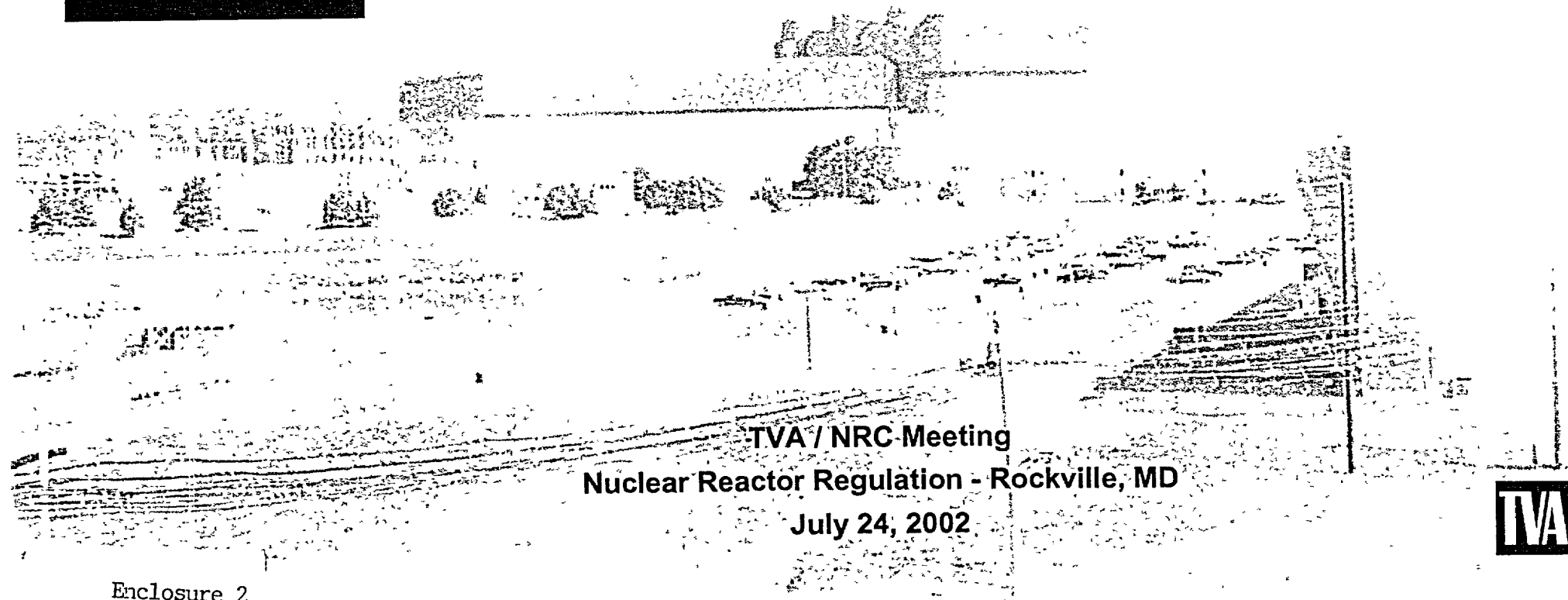
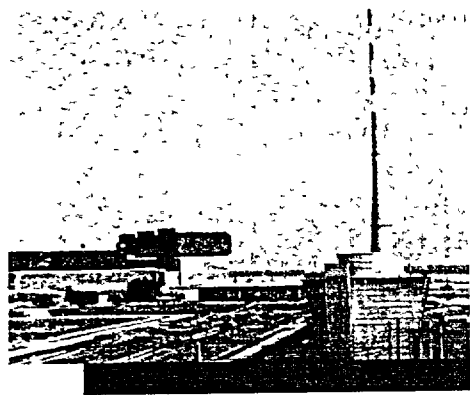


Tennessee Valley Authority Browns Ferry Nuclear Plant Units 1, 2, and 3

License Renewal Application



Enclosure 2

Agenda



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|------------------------------------------------------------------------------|----------------|
| ❖ Introduction & Background | Tim Abney |
| ❖ Project Organization | Ray Alexander |
| ❖ Unit 1 Licensing Basis | Tim Abney |
| ❖ Unit 1 Restart & Power Uprate Programs
--Synergies With License Renewal | Joe Valente |
| ❖ Application Format | Gary Adkins |
| ❖ Application Methodology | Gary Adkins |
| ❖ Project Status & Schedule | Gary Adkins |
| ❖ Environmental Review | Mark Burzynski |
| ❖ Closing Remarks | Tim Abney |

Introduction & Background



- ❖ TVA voluntarily shutdown all three units in 1985
 - Unit 2 restarted in 1991
 - Unit 3 restarted in 1995
 - Unit 1 defueled with a layup and preservation program in place
- ❖ License renewal letter of intent submitted on June 1, 2000
- ❖ TVA Board adopted the SEIS preferred alternative on May 16, 2002
 - Units 1, 2, and 3 license renewal
 - Unit 1 restart with extended power uprate
- ❖ Final SEIS published in the Federal Register on June 5, 2002
- ❖ Record of Decision issued June 18, 2002
- ❖ Unit 1 restart by May 2007

Introduction & Background, continued



- ❖ TVA will submit an application to renew the operating licenses for Browns Ferry, Units 1, 2, and 3 by December 2003

- Consistent with NRC regulatory burden reduction policy and NRC strategic plan
- Most economical, efficient path for both TVA ratepayers and NRC
- Three-unit application has no safety impacts

TVA

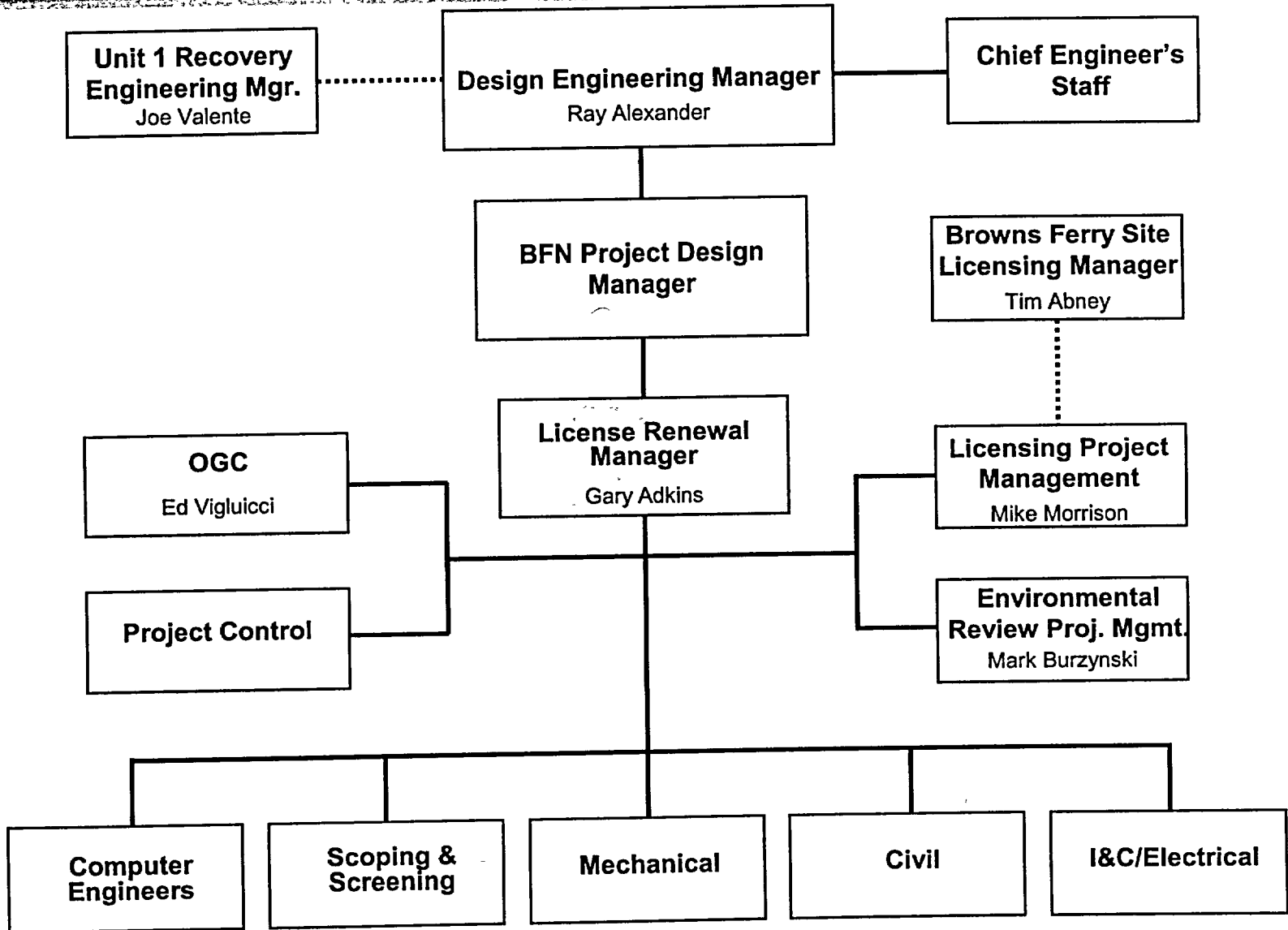
Reduced NRC fees
Optimizes staff resources

NRC

Simultaneous review of three identical units is the most efficient process
Consistent with staff approach for other multi-unit sites

- ❖ TVA will submit a complete application that will enable the staff to make a reasonable assurance finding

BFN License Renewal Project Organization



Unit 1 Licensing Basis



- ❖ The Unit 1 licensing basis is well-known, documented
 - Unit 1 elements of the FSAR have been maintained
 - Unit differences identified
- ❖ Key Unit 1 scoping documentation is available
 - FSAR
 - Technical Specifications
 - Safe shutdown analysis
- ❖ UFSAR update planned just prior to LRA submittal
 - Annual application updates will reflect the modification program
- ❖ TVA has a clear vision of the ultimate Unit 1 licensing basis based on the Units 2/3 precedent as reflected in the
 - FSAR
 - Technical Specifications
 - Nuclear Performance Plan Programs
 - Generic letter & Bulletin responses

Unit 1 Restart & Power Uprate Programs - Synergies With License Renewal

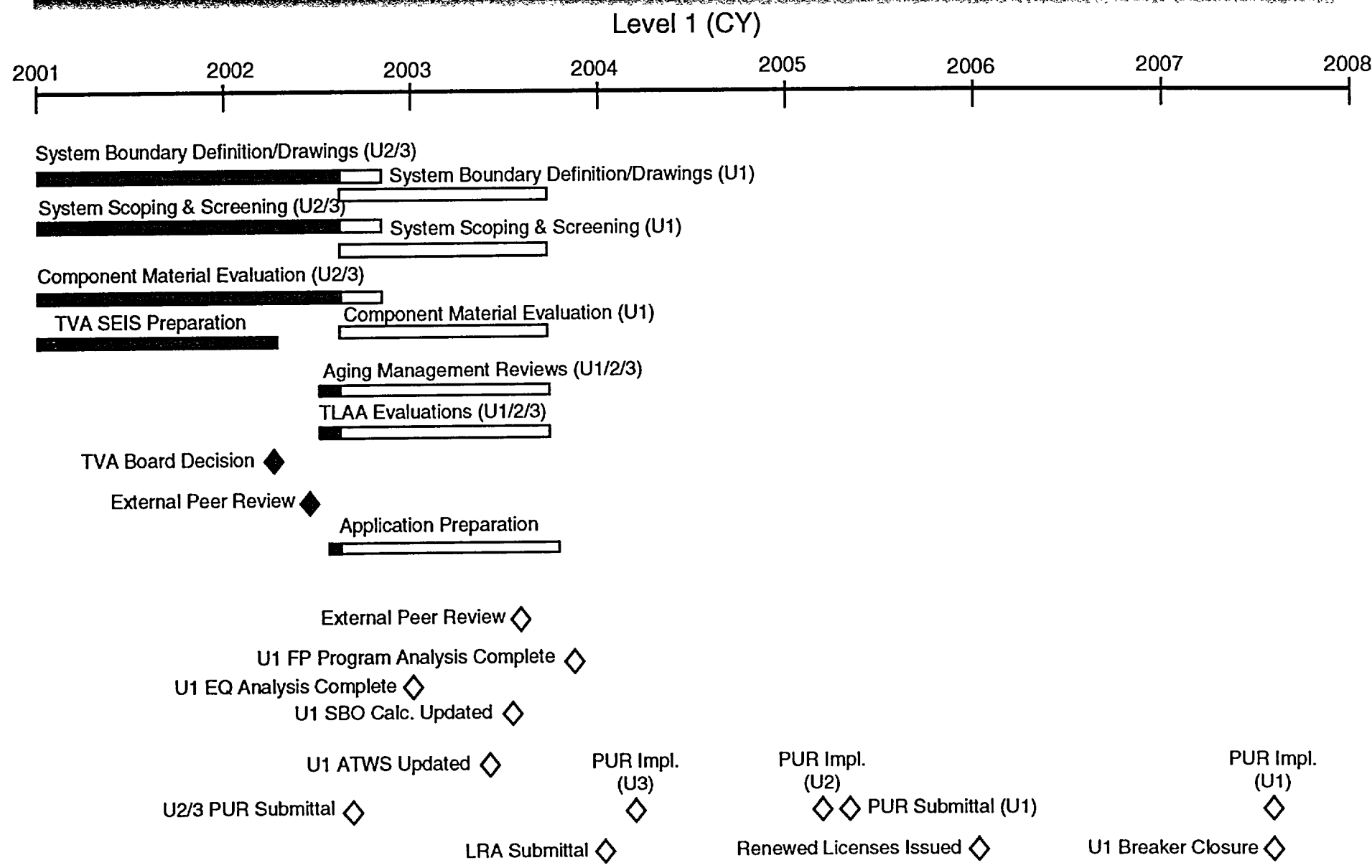


- ❖ Unit fidelity
 - Same design and licensing basis, materials, and environments
 - Common control bay for Units 1 and 2
 - Unit 1 reactor building design same as Units 2 and 3
- ❖ Extended power uprate conditions factored into license renewal
 - EQ calculations
 - RPV pressure – temperature curves
- ❖ Unit 1 modification program predominantly involves commodity upgrades that do not change the licensing basis
 - 750,000 feet of cable
 - 10,000 feet of large bore pipe
 - 15,000 feet of small bore pipe
- ❖ Rigorous configuration management program in place
 - Ensures the licensing basis continues to be maintained
- ❖ Extensive pre-service Section XI inspections in addition to other baseline condition monitoring and post-modification inspections
 - Provides enhanced opportunities for license renewal inspections

-
- ❖ SRP/ GALL format with lessons-learned from Demonstration Project and subsequent applications
 - ❖ TVA's plan for Unit 1 will result in identical units at restart
 - Any Unit 1 licensing basis differences will be annotated in combined application (multi-site) format
 - ❖ Implementation of Unit 1 modifications (and incorporation into the licensing basis) are expected to have minimal impact on the application
 - No new intended functions, materials or environments anticipated for Unit 1
 - No new aging management programs anticipated for Unit 1

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- ❖ Use the Unit 1 current licensing basis for scoping, screening, and TLAA identification
 - Implement process for reviewing Unit 1 modifications for impact on the LRA
 - ❖ Operating experience
 - Three identical units - Units 2/3 operating experience applicable to Unit 1
 - Unit 1 included in industry operating experience review
 - Supplemented by Unit 1 layup program experience
 - ❖ AMRs - same aging management programs will be credited for all three units
 - Aging management programs will be evaluated against the GALL
 - ❖ AMP commitments will be implementation commitments
 - No Unit 1 specific program commitments

Project Status and Schedule



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- ❖ TVA proposes NRC adopt the Browns Ferry License Renewal SEIS
 - ❖ SEIS addresses NRC environmental review items
 - Specifically incorporates the GEIS
 - Includes Part 51 plant-specific issues
 - ❖ SEIS has been extensively reviewed
 - Intergovernmental reviews
 - EPA comments incorporated
 - Cooperating federal agency efficiencies noted by EPA
 - ❖ Public participation accomplished
 - Two public meetings
 - Three public comment periods
 - ❖ Process provides for NRC independent review prior to adoption
 - ❖ NRC adoption would allow for additional public input
 - ❖ NRC (AEC) was a cooperating federal agency on the original Browns Ferry Construction/Operation EIS

Closing Remarks
