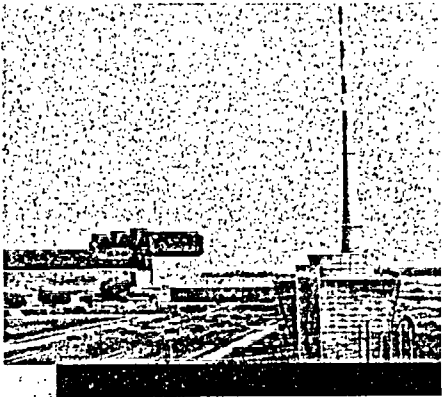


Tennessee Valley Authority Browns Ferry Nuclear Plant Units 1, 2, and 3

License Renewal Application



TVA/NRC Meeting
Nuclear Reactor Regulation - Rockville, MD
September 29, 2003



Agenda



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- ❖ Introduction and Background Tim Abney
 - ❖ License Renewal Project Status Ray Alexander
 - ❖ Application Format and Content Mike Morrison
 - ❖ Application Overview Gary Adkins
 - ❖ Items From Previous Meetings Gary Adkins
 - ❖ Closing Remarks Tim Abney

Introduction



❖ Meeting Objectives

- Demonstrate TVA's approach to the preparation of a three-unit license renewal application for Browns Ferry Nuclear Plant (BFN) using the latest standard application format
- Present an overview of the BFN draft application

Previous TVA/NRC Meeting Highlights



- ❖ A three-unit application is acceptable for BFN
- ❖ The Unit 1 current licensing basis (CLB) provides an adequate basis for an LRA
- ❖ Operating experience for Units 2 and 3 is applicable to Unit 1
- ❖ The BFN application will resemble multi-site applications previously reviewed by the staff
- ❖ Differences between the Unit 1 CLB and the Units 2/3 CLB will be annotated in the application
- ❖ TVA was requested to address the following items in the application:
 - Description and schedule for the resolution of Unit 1 CLB differences
 - Effect of Unit 1 layup on the application
- ❖ A final inspection of Unit 1 prior to restart may be needed to verify that actions required as a result of the renewal review have been completed
 - TVA will provide notification when the documentation is available on-site
- ❖ All three renewed licenses will be issued at the completion of the renewal review
 - Additional license condition for U1 is acceptable
 - Review may take longer than standard (proposed 1-3 months)

License Renewal Project Status



- ❖ TVA will submit the BFN application in December 2003
- ❖ Draft application prepared (including environmental report)
- ❖ Industry peer review completed
- ❖ Site reviews in progress
- ❖ Remaining / Ongoing activities
 - Update the application for recent RAIs, SER open item closures, etc.
 - Implement program to ensure the basis for the renewed licenses is maintained during the renewal term
 - Train site personnel
 - Prepare documentation to support the new process for reviewing license renewal applications

Application Format and Content



- ❖ Application conforms to the May 2003 standard format
 - As modified by the presentation of Unit 1 CLB differences
 - Temporary differences enclosed in bold border (“boxes”)
 - Permanent differences will be described in the text – currently none have been identified
- ❖ TVA will submit a list of commitments with the application
- ❖ Final and draft interim staff guidance addressed
- ❖ Submittal will include a text-searchable copy of the UFSAR linked to the application
- ❖ Boundary drawings provided for mechanical systems
 - Red for 10 CR 54.4(a)(1) and 10 CFR 54.4(a)(3) scoping results
 - Blue for 10 CR 54.4(a)(2) scoping results
- ❖ 39 aging management programs identified
 - 31 existing programs, 8 new programs
 - 36 GALL programs, 3 plant specific programs

Application Overview



- ❖ Methodology
- ❖ Scoping, screening, aging management examples
 - Main steam system
 - Unit 1 intended function difference
 - Residual heat removal system
 - Unit 1 material difference – piping replacement with IGSCC resistant material
 - Auxiliary decay heat removal system
 - New system for unit 1 (only case)
 - Electrical commodities
- ❖ Appendix B
- ❖ Appendix F
 - Plan and schedule for the resolution of unit 1 CLB differences
- ❖ AMR / AMP consistency with the GALL

Items From Previous Meetings



- ❖ BWR RPV integrity
 - Unit 1 will conform to the BWRVIP at restart
 - Implementation plan provided in Appendix F
 - Unit 1 restart inspection plans will be available for on-site inspection
- ❖ Permanent Unit 1 licensing basis differences will be identified in the application text
 - None have been identified to date
- ❖ NRC asked to be informed of any changes to the plans for the resolution of Unit 1 differences as described in Appendix F after submittal
 - The Staff will be notified as soon as any deviation from this plan becomes known
- ❖ TVA requested to ensure the LRA does not reference out-of-date FSAR information
 - The BFN FSAR contains some historical information which is clearly identified
 - No historical information used to support the application