



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

November 17, 2000

LICENSE: PECO Energy Company (subsidiary of Exelon Corporation)

FACILITY: Peach Bottom Atomic Power Station Units 2 and 3

SUBJECT: SUMMARY OF MEETING BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION (NRC) STAFF AND EXELON CORPORATION REPRESENTATIVES TO DISCUSS THE PEACH BOTTOM LICENSE RENEWAL APPLICATION

On November 9, 2000, the U.S. Nuclear Regulatory Commission (NRC) staff met with representatives from Exelon Corporation to discuss the status and the format of the Peach Bottom License Renewal application. Exelon provided an overview of the application and discussed the improvements that could be made from the lessons learned from review of the Hatch license renewal application. A list of meeting attendees is provided in Enclosure 1. Exelon presentation materials are provided in Enclosure 2.

Exelon discussed the scoping methodology, and showed an example of system boundary drawings. The meeting included a discussion on Appendix B describing the aging management programs, and Appendix C for the commodities approach. In addition, Exelon discussed the use of the Generic Aging Lessons Learned (GALL) report and the Standard Review Plan (SRP) for the review of license renewal application. Exelon also discussed Severe Accident Mitigation Alternative (SAMA) issues and the electronic format for the Peach Bottom license renewal application.

The Exelon presentation provided the staff with an understanding of the Peach Bottom license renewal application development process, which will be beneficial during the staff's review of the application materials. Exelon plans to submit the Peach Bottom license renewal application in early July 2001.

Raj K. Anand

Raj K. Anand, Project Manager
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Division of Regulatory Improvement Programs
Office of Nuclear Reactor Regulation

Docket Nos. 50-277 and 50-278

Enclosure: As stated

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/RA/

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ATTENDANCE LIST
NOVEMBER 9, 2000
NRC MEETING WITH PECO ENERGY
LICENSE RENEWAL FOR PEACH BOTTON, UNITS 2 & 3

<u>NAME</u>	<u>ORGANIZATION</u>
1. Raj Anand	NRC/NRR/DRIP/RLSB
2. John Boska	NRC/NRR/DLPM
3. Jerry Phillabaum	Exelon
4. Greg Krueger	Exelon
5. Al Fulio	Exelon
6. Erach Patel	Exelon
7. Fred Polaski	Exelon
8. Dave Honian	Exelon
9. Bill Maher	Exelon
10. Steve Frantz	Morgan, Lrums & Bockius, UP
11. Dennis Dyckman	PA DEP
12. Eric Blocher	Parsons Energy
13. John Hilbish	Parsons Energy
14. Rob Elliot	NRC/NRR/DSSA/SP;B
15. Steve Hoffman	NRC/NRR/DRIP/RLSB
16. Allen Hiser	NRC/NRR/DE/EMCB
17. James Davis	NRC/NRR/DE/EMCB
18. Amar Pal	NRR/NRR/DE/EEIB
19. Dick Wessman	NRC/NRR/DE
20. Chris Grimes	NRC/NRR/DRIP/RLSB
21. Cynthia Sochor	NRC/NRR/DRIP/RGEB
22. William Burton	NRC/NRR/DRIP/RLSB
23. Barry Zalzman	NRC/NRR/DRIP/RGEB

Exelon Meeting with NRC November 9, 2000

Peach Bottom Atomic Power Station
License Renewal Application

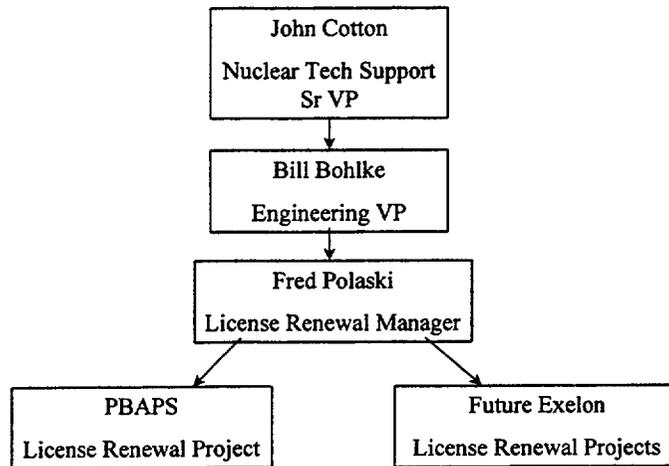
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Purpose

- Begin discussions on Peach Bottom Atomic Power Station (PBAPS) License Renewal Application (LRA)
- Present status and format for PBAPS Part 54 LRA
- Discuss possible improvements
 - Hatch lessons learned
 - SRP and GALL
- Part 51 LRA

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Exelon License Renewal Organization



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PBAPS License Renewal Project

- Technical Lead – Erach Patel
 - Al Fulvio
 - Kevin Muggleston
 - Ahmed Ouaou
 - Paul Thomas
- Project Manager – Dave Honan
- Licensing Lead – Jerry Phillabaum
- Environmental – Bill Maher
- Part 54 Contractor – Parsons, with GE support
- Part 51 Contractor – Tetra Tech NUS

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PBAPS License Renewal Approach

- Based on NEI 95-10
- Scoping done on a system and structure basis
 - All systems (including electrical) were included in the scoping process
 - LRA presents a list of plant systems and structures with information if in scope or not
- Screening identified components requiring Aging Management Reviews (AMRs)
- AMRs performed on a commodity or environment basis
 - Electrical AMRs performed using Spaces Approach

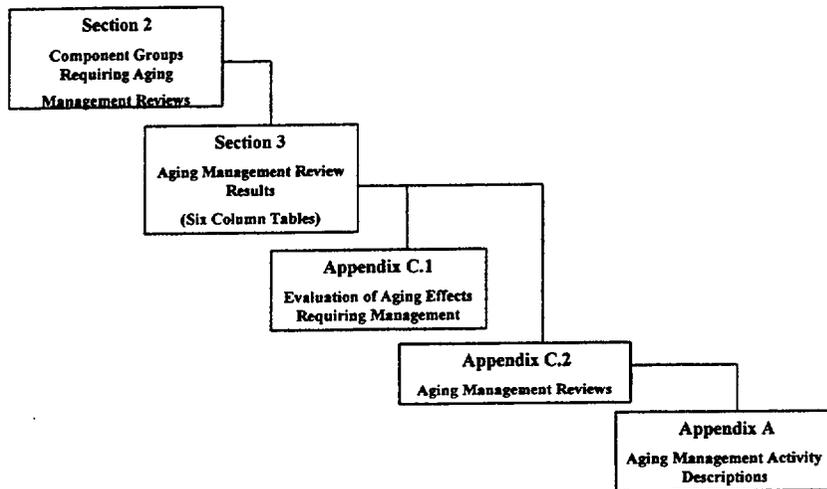
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PBAPS License Renewal Approach (cont'd)

- PBAPS LRA is similar to Hatch LRA, with improvements.
 - Scoping on a system basis, not a function basis
- AMR demonstration made for aging effects within an environment.
- Section 3 is a road map between Section 2 and the AMRs in Appendix C2 based on environments.

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Aging Management Review Information Layout



Mechanical Environments

- Reactor Grade Water
- Torus Grade Water
- Chemically Treated Water
- Raw Water
- Lubricating and Fuel Oil
- External Environments
- Gas Environment
- Ventilation

Mechanical Commodities

- Heat Exchangers
- Reactor Vessel
- Reactor Vessel Internals
- Main Condenser

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Civil Structural Commodities

- Concrete
- Containment
- Structural Steel outside containment
- Component Supports
- Fire Barriers and Elastomers
- Fuel Storage and Handling Equipment

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Electrical Commodities

- Cables
- Electrical Connectors, Splices & Terminations Blocks
- SBO Components

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Application Format

Section 1 Administrative Information

Section 2 Structures and Components Subject to Aging Management Review

2.1 Scoping and Screening Methodology

2.2 Plant Level Scoping Results

2.3 System Scoping and Screening Results: Mechanical

2.4 Structures and Structural Components Scoping and Screening Results

2.5 System Scoping and Screening Results: Electrical and Instrument and Controls

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Application Format (cont'd)

Section 3 Aging Management Review Results

3.1 Common Aging Management Activities

3.2 Mechanical Systems Aging Management Review Results

3.3 Structures and Structural Components Aging Management Review Results

3.4 Electrical and Instrumentation and Controls Aging Management Review Results

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Application Format (cont'd)

Section 4 Time-Limited Aging Analyses

Appendix A Updated Final Safety Analysis Report (UFSAR) Supplement

Appendix B – Not Used

Appendix C Commodity Groups

C.1 Evaluation of Applicable Aging Effects

C.2 Aging Management Reviews

Appendix D Technical Specification Changes

Appendix E Environmental Information

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Possible Enhancements

- Add Appendix B
- Combine Systems in Section 3
- Alignment with SRP
- Use of GALL in LRA

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Possible Enhancements (cont'd)

- How to improve the review and communication process?
- How to reduce RAIs based on Hatch and ANO experience?
- Add FSAR to CD-ROM LRA submittal.

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PBAPS LRA

Part 51 Environmental Report
Per Supplement 1 to
Regulatory Guide 4.2

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Impact of Being a Deregulated Utility

- Impact of deregulation in Pennsylvania still unfolding
- NEPA topics affected
 - Taxes
 - Alternatives to the proposed action

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PBAPS SAMA Evaluation

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Evaluation Steps

- Develop SAMA Candidate list
 - First 115 SAMAs same as those for Hatch
 - 24 additional SAMAs added to reflect PBAPS specific insights
- Disposition SAMAs using screening criteria
 - Phase I
- Evaluate potential cost benefit of remaining SAMAs - Phase II
 - Assessment of present value will utilize NUREG/BR-0184 as referenced in Supplement 1 to Regulatory Guide 4.2

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Plant Specific Information

- PBAPS is considered the reference BWR for most NRC and Industry risk studies
 - No new Level 3 analysis
 - To the extent practical, previous risk and consequence information will be used
 - Evaluate impact of key input parameters on previous baseline results
- Comparison of NUREG/CR-4550 and IPE provided in PBAPS IPE submittal

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Consequence Evaluation

- NUREG/CR-4551 for PBAPS provides fractional contribution to annual population dose risk for 10 release bins
- PBAPS IPE release bins will be matched to appropriate NUREG/CR-4551 bin
- Scaling of population dose results will be based on:
 - Release frequency
 - Changes in population

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Filing of Application

Hatch

- 1 paper + 51 CD-ROM copies
- 50.4(c) exception for electronic submittal

ANO (Regulation)

- Acceptance Review: Original + 13 copies
- Application: Original + 37 copies
- 1 CD-ROM

PBAPS

- CD-ROM LRA
- CD-ROM Part 51
- Hardcopy Drawings