

October 29, 1999

NOTE TO: PUBLIC DOCUMENT ROOM
Public Document Room, LL-6

FROM: Joseph M. Sebrosky, Project Manager
License Renewal and Standardization Branch, NRR

SUBJECT: ADVANCE COPY OF THE LICENSE RENEWAL MEETING
HANDOUTS

Attached is an advanced copy of the handouts for the meeting described below. We have committed to place this material in the Public Document Room promptly because of public interest in license renewal. When the formal summary of this meeting is completed, we will note on the distribution that the meeting handouts have been previously sent to the PDR. Should you have any questions regarding this material, please contact me at 304-415-1132 or E-mail JMS3.

cc w/o attachments:
Dave Solorio
RLSB R/F

Meeting Date: October 28, 1999

Subject: SUMMARY OF OCTOBER 28, 1999, MEETING WITH BGE AND DUKE
REGARDING LICENSE RENEWAL ACTIVITIES FOR CALVERT CLIFFS
AND OCONEE

Docket No(s): 50-269, 50-270, and 50-287
50-317, 50-318

DF01

Status Report on Baltimore Gas and Electric Company License Renewal Application Review

October 28, 1999

David Matthews, Director, Division of Regulatory
Improvement Programs

Chris Grimes, Branch Chief, License Renewal &
Standardization Branch

Summary of LRA Review Activities

Status of activities regarding:

- Review Schedule
- Safety
- Inspection
- Environmental
- Petitioner

Summary of LRA Review Activities

Schedule

Calvert Cliffs Milestones	Target
Applicant & NRC Meeting to Resolve Outstanding OI/CI	10/12/99
Applicant & NRC Meeting to Resolve Outstanding FSAR OI	10/12/99
NRC Develop Renewed License Format	10/20/99
Forward closure of OI/CI to ACRS	11/1/99
ACRS subcommittee SER OI/CI Review	11/15/99
Staff Issue SER & FSEIS	11/16/99
Meeting with Applicant on Form of New License	11/17/99
Conduct 3 rd License Renewal Inspection	12/3/99
ACRS Full Committee SER OI/CI Review	12/4/99
ACRS Letter	12/10/99
Issue SER as NUREG-1705	12/20/99
Regional Administrator Letter	12/31/99
Commission Paper with Staff Recommendation	1/14/00
Commission Meeting (if requested)	3/15/00
Commission Decision	3/27/00
Renewed License Issued	4/3/00

Summary of LRA Review Activities

Safety Review

- Communications to resolve OIs/CIs were effective
- Management meeting to discuss remaining OIs/CIs - October 12, 1999
- Received all supplemental information on October 22, 1999
- NRC letter on license condition for FSAR OI, October 25, 1999

Summary of LRA Review Activities - continued

- Resolution of open and confirmatory items
 - Staff has interacted with BGE to gain clarification regarding OI and CI responses, changes to LRA, comments on SER
 - CIs: CASS, CEDM
 - OIs: small bore piping, Rx vessel flange leak off line, SCC in RCS, pressurize clad cracking, FSAR
 - Void swelling

Summary of LRA Review Activities - continued

Inspection Activities

- Additional inspection may be performed
- Placeholder for one week inspection starting November 29, 1999

Summary of LRA Review Activities - continued

Environmental Review

- Final SEIS issued to EPA on October 5, 1999
- Environmental review considered complete unless concerns are raised by a Federal Agency by November 15, 1999

Summary of LRA Review Activities - continued

Petitioner Status

- Arguments for case given in US Court of Appeals for D.C. Circuit on October 6, 1999
- Waiting for court's ruling

NRC Overall Schedule 1999-2000

- 11/16/99 - Staff Issue SER & SEIS
- 11/17/99 - Meeting with Applicant on Form of New License
- 11/18/99 - ACRS subcommittee SER OI/CI Review
- 12/3/99 - Conduct 3rd License Renewal Inspection
- 12/4/99 - ACRS Full Committee SER OI/CI Review
- 12/10/99 - ACRS Letter
- 12/20/99 - Issue SER as NUREG-1705
- 12/31/99 - Regional Administrator Letter
- 1/14/00 - Commission Paper with Staff Recommendation
- 3/15/00 - Commission Meeting (if requested)
- 3/27/00 - Commission Decision
- 4/3/00 - Renewed License Issued



Calvert Cliffs License Renewal Application Status Report to the US Nuclear Regulatory Commission

Dick Heibel, Manager - Nuclear Projects
Carl Yoder, Project Director - LR
Barth W. Doroshuk, President - CNS, Inc.

October 28, 1999

BGE

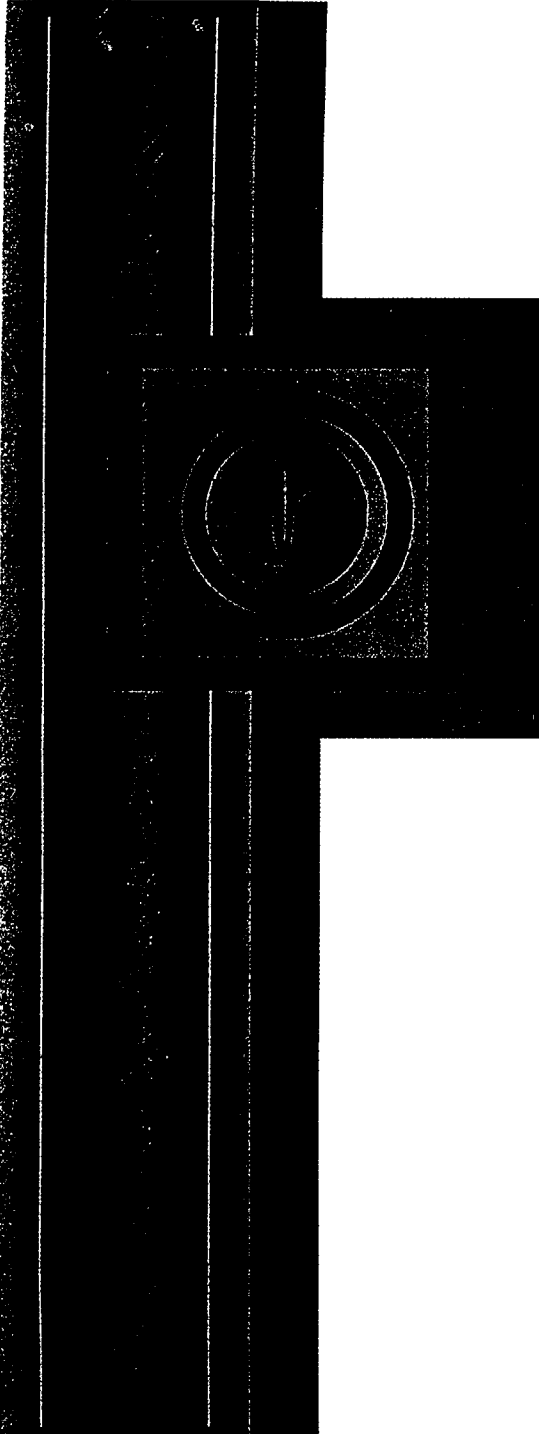
 **Constellation**
Nuclear Services

Objectives of Meeting

- Brief NRC line management on progress of license renewal application review
- Determine if any issues need elevating to NRC Steering Committee by BGE or NRC
- Establish performance indicators for next review meeting

Proposed Performance Indicators for October 1999

- Success path identified for all remaining items ✓
- Resolution reached on Option 3 list purpose and format (format OK, purpose tbd)



**October 1999
Calvert Cliffs
LRA Report Card**

October 28, 1999

October 1999 Report Card

● Schedule Adherence

- On track

● Quality of Work

- Good

● Communications

- Good

● Accomplishments

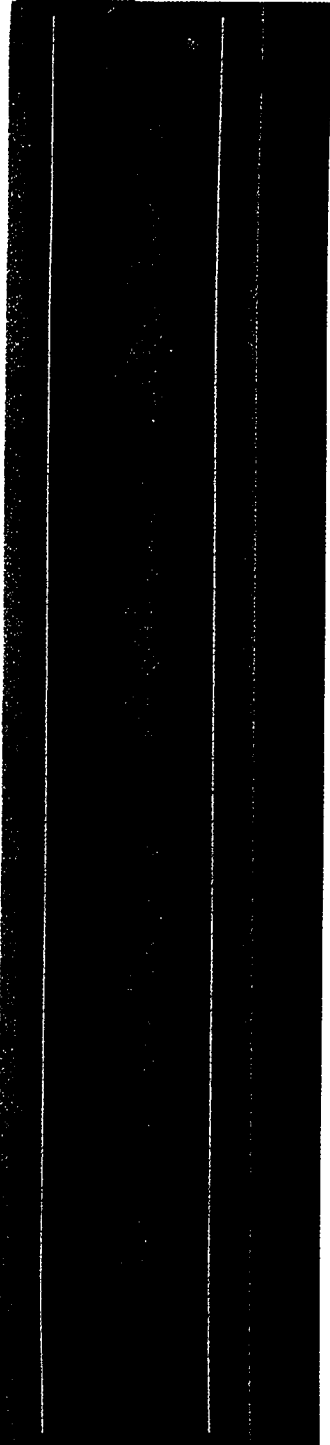
- NRC and BGE reached agreement on success path for all items
- NRC issues SEIS for interagency review
- BGE submittal forwarded remaining clarifications/responses
- October 12 meeting on outstanding OIs/CIs
- License format drafted

● Concerns

- Purpose of the Option 3 list
- BGE reviewing license format

Proposed Performance Indicators for December 1999

- List submitted to NRC
- SER and SEIS issued on schedule
- Agreement reached on format of licenses
- ACRS Subcommittee briefed on OI/CI closeout



**NRC Schedule
for
BGE Calvert Cliffs
License Renewal Application**

NRC Overall Schedule 1998

- 4/10/98 - Application Submitted - **completed**
- 5/10/98 - Acceptance and Docketing Completed - **completed**
- 7/8/98 - Notice of Opportunity for Hearing Filed by NRC - **completed**
- 7/7-7/10 - NRC Environmental Site/Public Visit - **completed**
- 7/9/98 - Public Meetings for Environmental Impact Statement Scoping - **completed**
- 8/7/98 - Filing of Intervener Petitions Ends - **completed**
- 9/7/98 - NRC Completes Technical Requests for Additional Information (RAI) - **completed**
- 9/28/98 - Management Progress Review - **completed**
- 10/1/98 - Deadline for Whistleblower Center Filing - **completed**
- 10/7/98 - NRC Completes Environmental RAIs - **completed**

NRC Overall Schedule 1998/1999

- 10/16/98- Whistleblower Center Petition Dismissed - **completed**
- 10/22/98- BGE EQ Presentation to NRC Staff - **completed**
- 10/29/98- Management Program Review; NRC Steering Committee Meeting - **completed**
- 11/21/98- BGE Completes Technical Responses - **completed**
- 12/6/98 - BGE Completes Environmental Responses - **completed**
- 12/16/98- Management Progress Review - **completed**
- 1/14/99 - Management Progress Review - **completed**
- 2/26/99 - Management Progress Review - **completed**
- 3/6/99 - NRC Issues Draft Supplemental Environmental Impact Statement (SEIS) for Comment - **completed**

NRC Overall Schedule 1999

- 3/21/99 - NRC Completes Initial Safety Evaluation Report (SER) and Open Items - **completed**
- 4/6/99 - Public Meeting for Draft SEIS Comments - **completed**
- 5/5/99 - ACRS Meeting - **completed**
- 5/20/99 - NRC Comment Period on Draft SEIS Closes - **completed**
- 7/19/99 - BGE Completes Response to SER - **completed**
- 10/12/99 - Applicant and NRC Meeting to Resolve Outstanding OI/CI - **completed**
- 10/12/99 - Applicant and NRC Meeting to Resolve Outstanding FSAR OI - **completed**
- 10/20/99 - NRC Develop Renewed License Format - **completed**
- 11/1/99 - Forward closure of OI/CI to ACRS

Calvert Cliffs
License Renewal Application
Discussions with the
US Nuclear Regulatory Commission

Dick Heibel, Manager - Nuclear Projects

Carl Yoder, Project Director - LR

Barth W. Doroshuk, President - CNS, Inc.

October 12, 1999



Current Status

- All Open and Confirmatory Items have reached an agreed to success path:
 - Items from August 12 NRC letter
 - UFSAR OI, per August 27 meeting summary

Current Status

- BGE will provide a new (and final) version of LIST (for information) by mid-November.

SER Open Item 3.0-1

“The content of the final safety analysis report (FSAR) supplement is dependent upon the final bases for the staff’s safety evaluation, as will be reflected in a subsequent revision to this report. In addition, improved guidance is being developed for updating the contents of FSARs under 10 CFR 50.71(e). Therefore, the resolution of the information that needs to be added to the FSAR will be addressed after the other open and confirmatory items are resolved, prior to issuance of a renewed license. The content of the FSAR will be tracked as an Open Item.”

From 8/27/99 meeting summary

“... the staff concluded that while 10 CFR 50.21(d) did not require a FSAR supplement to be updated, not updating the FSAR supplement placed the burden on the staff for the development of the basis of information needed to support the 10 CFR 54.29 finding. To this end, as described in NRR Office Letter 805 "License Renewal Application Review Process," the staff has to articulate, and is obligated to document, findings critical to its review.”

From 8/27/99 meeting summary

“ . . . The **first** such option is that the FSAR supplement be revised prior to licensing by the applicant to include the appropriate information as a consequence of the staff's review. The **second** option is that the staff provide a list of information the staff relied upon with the final safety evaluation report (SER) in conjunction with a license condition that this information be controlled under 10 CFR 50.59 until it is placed in the FSAR in accordance with the existing 10 CFR 50.71(e) requirements for updating the FSAR. The staff would verify the changes later and the license condition would expire once the information had been incorporated.”

From 8/27/99 meeting summary

“... The **third** option is similar to the second option with the distinction that the applicant would develop the list using the SER, responses to open items, and questions; and the NRC would review and approve the list. Finally, the **fourth** option would impose a license condition requiring that all commitments, contained in the license renewal application, related correspondence, and the SER be controlled in accordance with the 10 CFR 50.59 process until the FSAR was updated in accordance with 10 CFR 50.71(e).”

THE LIST

BGE agreed to provide a list that would assist the NRC staff in identifying the basis for its SER conclusions. BGE is not required to provide the LIST to secure new licenses.

Such a list would identify the programs credited for License Renewal in the LRA. The list would not contain descriptions of programs suitable for the UFSAR.

BGE would continue to utilize the Commitment Tracking System and the UFSAR update process to ensure the programs/commitments, etc. are incorporated into the CLB, as appropriate, following issuance of renewed licenses.

What happens now?

Sample List of BGE Programs Credited for Aging Management for License Renewal

System	Components	Aging Effect	Program	Description of Program	Implementation Schedule
Containment spray	PP, CKVs, CVs, FEs, FOs, HVs, HXs, MOVs, PUMPS, RVs, TEs, and TIs	General corrosion, crevice corrosion, and pitting of internal surfaces	Age-related degradation inspection (ARDI) program	To verify the effectiveness of its chemistry program and to supplement the limited scope of local leak rate test program, one-time inspection of internal surfaces of components (using visual inspection) at the most susceptible locations is performed to ensure that degradation is not occurring as a result of corrosion. When the program development is completed, the program will have the following attributes: (1) program scope, (2) parameter monitored or inspected, (3) detection of aging effects using qualified inspection method, and (4) acceptance criteria.	To be implemented by 2003
Containment spray	PP, CKVs, CVs, HVs, HXs, MOVs, and PUMPS	General corrosion	Boric acid corrosion inspection program	The program consists of: (1) visual inspection of external surfaces that are potentially exposed to borated water for leaks, (2) timely discovery of leak path and removal of the boric acid residues, (3) assessment of the damage, and (4) follow up inspection for adequacy.	Existing program
Containment spray	PP, CKVs, CVs, FEs, FOs, HVs, HXs, MOVs, PUMPS, RVs, TEs, and TIs	General corrosion, crevice corrosion, and pitting of internal surfaces	Chemistry program	To mitigate aging effects on internal surfaces that are exposed to borated water as process fluid, chemistry programs are used to control primary water chemistry for impurities (chloride, fluoride, and sulfate) that accelerate corrosion.	Existing program

System	Components	Aging Effect	Program	Description of Program	Implementation Schedule
Reactor vessel	Reactor vessel	Neutron embrittlement	Comprehensive reactor vessel surveillance program	<p>Irradiating and testing of metallurgical samples are used to monitor the progress of neutron embrittlement as a function of neutron fluence. The current program is in accordance with ASTM E 185. The program consists of 6 capsules in each unit, with 2 capsules tested, 3 capsules to be tested, and one standby capsule. The withdrawal schedule will be revised to provide data at neutron fluence equal to or greater than the projected peak fluence at the end of the license renewal period.</p> <p>If the last capsule is withdrawn before year 55, will establish reactor vessel neutron environment conditions applicable to the surveillance data. If the plant operates outside of the limits established by these conditions, will inform the NRC and determine the impact of the condition on reactor vessel integrity.</p> <p>If the last capsule is withdrawn before year 55, will install neutron dosimetry to permit tracking of the fluence to the reactor vessel.</p>	The surveillance capsule withdrawal schedule will be revised by 2003.

System	Components	Aging Effect	Program	Description of Program	Implementation Schedule
Reactor coolant system	Pipes, elbows, nozzles	Fatigue	Fatigue monitoring program (FMP)	<p>In order not to exceed the design limit on fatigue usage and the number of design cycles, FMP monitors and tracks the number of critical thermal and pressure test transients, and monitors the cycles for the selected RCS components.</p> <p>The FMP will be modified to monitor a sample of components with high fatigue usage factors for the effects on the fatigue life. The following bounding locations are included in the evaluation: charging system piping, charging inlet nozzles, charging inlet nozzle piping, hot leg surge nozzle, pressurizer spray system piping, pressurizer spray nozzle, pressurizer surge line, pressurizer surge nozzle, pressurizer surge line elbow, SI nozzle, shutdown cooling outlet nozzle.</p> <p>The FMP will assess the effect of the environment using statistical correlations developed by Argonne National Laboratory (ANL) in NUREG/CR-5704. The modified FMP will use the ANL statistical correlations to calculate an effective environmental factor to account for the reduction in fatigue life due to the reactor water environment. This factor will be applied to fatigue loads where the specified threshold criteria for strain rate and temperature have been exceeded. A factor of 1.5 will be used for evaluation of austenitic stainless steel components.</p>	Program will be modified by 2014

Additional SSCs being added to the Scope of License Renewal for Oconee

LRA update change or SER open item #	Corresponding Change to the SER	Status of questions
LRA 9/30/99 update for plant modification to add the Essential siphon vacuum system, the siphon seal water system, the essential siphon vacuum trenches, and the essential siphon vacuum building	Add Section 2.2.3.4.9 to the SER to capture the systems scoping (similar to what was done for the standby shutdown facility)	requested drawings
	Add Section 2.2.3.6.10 to the SER to capture scoping for the structures that were added	requested drawings
	Add discussion to existing Section 3.6.3 to capture the AMR for the systems	questions sent 10/27
	Evaluate if fatigue needs to be addressed	
	Add Section 3.8.2.2.15 to capture the aging effects for the structures	no questions
	Add Section 3.8.2.3.10 to capture aging management programs for structures	no questions
LRA 9/30/99 update to revise steam generator tube rupture accident analysis (Added portions of the component cooling water system (CCW) to the scope of renewal. Previously only the containment isolation portion of the CCW was considered to be within scope of renewal	Add Section 2.2.3.3.4 to capture scoping	requested drawings
	Add discussion to Section 3.6.3 to capture aging management review	questions sent 10/27
	Evaluate if fatigue needs to be addressed	

Additional SSCs being added to the Scope of License Renewal for Oconee

LRA update change or SER open item #	Corresponding Change to the SER	Status of questions
LRA 9/30/99 update for functional change of the reactor building auxiliary coolers (added portion of the low pressure service water system to the scope of renewal)	Add to scoping discussion in Section 2.2.3.4 on LPSW	
	Add to AMR discussion in Section 3.6.1	questions sent 10/27
	Evaluate if fatigue needs to be addressed	
SER OI 2.2.3.4.3.2.1-1. Response scoped in chilled water system, portions of the condenser circulating water system, and portions of the control room pressurization and filtration system	Add Section 2.2.3.4.10 to capture the chilled water system scoping	requested drawings
	Add Section 3.6.4 to capture aging management review for chilled water system	
	Evaluate if fatigue needs to be addressed	
	Add to existing discussion in Section 2.2.3.4.1 to capture expanded scoping of the condenser circulating water system	
	Add to existing discussion in Section 3.6.1 to capture expanded AMR for the condenser circulating water system	
	Add to existing discussion in Section 2.2.3.4.3 to capture expanded scoping of the control room pressurization and filtration system	
	Add to existing discussion in Section 3.6.1 to capture expanded AMR for the control room pressurization and filtration system	

Additional SSCs being added to the Scope of License Renewal for Oconee

LRA update change or SER open item #	Corresponding Change to the SER	Status of questions
SER OI 2.2.3.4.3.2.1-2. Response provided an aging management program for the control room pressurization and filtration system (Also related to SER OI 3.6.1.3.1-1)	Add to existing discussion in Section 2.2.3.4.3 to capture scoping	no questions
	Add to existing discussion in Section 3.6.1 to capture aging management review (fatigue already addressed by SER OI 3.6.1.3.1-1)	
SER OI 2.2.3.4.8.2.1-1 Response expanded the scope of the systems associated with the standby shutdown facility diesel generator.	Add to existing discussion in Section 2.2.3.4.8 to capture scoping	no questions
	Add to existing discussion in Section 3.6.3 to capture aging management review (fatigue address 3.6.3.3.1 page 3-163 of the Oconee SER)	

Status of Oconee SER OIs, CIs, and Technical Comments as of October 28, 1999

Open Item Number	Description	Current Status
2.1.3.1-1	Scoping issue	Open Action N/D
2.2.3-1	Recirculated cooling water system should be within scope	Open Action N/D
2.2.3.4.3.2.1-1	Chilled water system should be within scope	Open - Action N
2.2.3.4.3.2.1-2	Sealant materials for the control room pressurization and filtration system (consumables)	Open - Action N
2.2.3.4.8.2.1-1	Portions of the SSF Diesel fuel oil system, starting air system, and jacket water heat exchangers (complex assembly)	Open - Action N
2.2.3.6.1.2.1-1	Structural sealants - water stops, caulking, expansion joints (consumables)	Open - Action N
2.2.3.6.4.2.1-1	Turbine building and Keowee building roofs (consumables)	Confirm - Action N
2.2.3.7-1	Fire detection cables	Open - Action N
2.2.3.7-2	Active equipment in storage	Confirm - Action N
3.0-1	Content of FSAR Supplement	Open - Action N
3.1.1-1	Aging effect inconsistencies in the license renewal application	Open - Action N
3.1.3.1.7.4-1	Buried piping	Open - Action N
3.2.3.3-1	Appendix B commitment	Open - Action N
3.2.12-1	SSF HVAC coolers (complex assembly)	Open - Action N
3.2.12-2	SSF heat exchangers	Confirm - Action N
3.2.13-1	Service water piping corrosion program loss of material	Open - Action N
3.2.13-2	Carbon steel inspection "indicator" of the condition of non-carbon steel components	Open - Action N
3.2.13-3	Service water piping corrosion program relationship to Keowee	Open - Action N
3.2.13-4	UT inspections capability to detect localized degradation	Open - Action N
3.3.3.1-1	Tendon anchorages	Resolved 10/26/99
3.4.3.2-1	Spray head aging effect (CASS item)	Open - Action N
3.4.3.2-2	Void swelling (Reactor Vessel Internals)	Open - Action N
3.4.3.3-1	Pressurizer heater bundle	Open - Action N
3.4.3.3-2	Heater-sleeve-to-heater-bundle diaphragm plate inspection	Confirm - Action N
3.4.3.3-3	Identify limiting Reactor Vessel Internals component items and incorporate into the ISI program	Open - Action N

Status of Oconee SER OIs, CIs, and Technical Comments as of October 28, 1999

Open Item Number	Description	Current Status
3.4.3.3-4	Baffle former bolts inspection (Reactor Vessel Internals)	Open - Action N
3.4.3.3-5	For loss of fracture toughness from synergistic thermal and neutron embrittlement, perform supplemental examinations/evaluations of CASS items (Reactor Vessel Internals)	Open - Action N
3.4.3.3-6	Vent valve bodies and retaining rings (CASS items) (Reactor Vessel Internals)	Open - Action N
3.4.3.3-7	Evaluate CASS components to criteria in EPRI TR-106092 (RCP Casing)	Open - Action N
3.4.3.3-8	Letdown coolers thermal fatigue	Resolved
3.6.1.3.1-1	Aging effects of HVAC sub-component parts of isolators	Open - Action N
3.6.2.3.2-1	RCP oil tank inspection plan	Open - Action N
3.6.3.3.2-1	Keowee oils sampling program	Confirm - Action N
3.8.3.1-1	Spent fuel pool temperature	Confirm - Action N
3.8.3.1-2	Experience database should consider results of Oconee baseline inspection and instances of reported unusual events	Confirm - Action N
3.8.3.1.9-1	Aging effects for cable trays	Confirm - Action N
3.8.3.2.5-1	Secondary shield wall prestressing tendons	Open - Action D
3.9.3-1	Insulated cables and connections (not part of original SER added due to inspection findings)	Open - Action D
4.2.1.3-1	Provide discussion of cumulative effects of all possible cycles in the containment fatigue analysis	Resolved 10/26/99
4.2.2.3-1	Trend lines for containment tendons	Open - Action N
4.2.3-1	Provide information regarding the Section XI flaw evaluations for identified locations	Open - Action N
4.2.3-2	GSI-190	Open - Action N
4.2.5.3-1	Plan to develop data to demonstrate that the Reactor Vessel Internals will meet the deformation limit	Confirm - Action N
4.2.5.3-2	Applicability of flaw growth acceptance in accordance with the ASME B&PV code, Section XI ISI requirements (Reactor Vessel Internals)	Confirm - Action N

Status of Oconee SER OIs, CIs, and Technical Comments as of October 28, 1999

Confirmatory Item Number	Description	Status
2.2.3.6.9-1	Pipe segments that provide structural support	Confirm - Action N
3.5.3.2-1	Reactor Building spray system inspection	Confirm - Action N
3.6.1.3.2-1	Auxiliary service water system operating experience	Confirm - Action N
3.6.3.3.2-1	Basis for Keowee oil sampling program	Confirm - Action N
4.2.1.3-1	Containment pressure tests	Resolved 10/26/99
4.2.3-1	Fatigue Management Program analyses commitments	Confirm - Action N

Comment #	Description	Status
1	Clarify Basis for Program Evaluation Conclusions	Open - Action N
2	Revise Pressurized Thermal Shock Discussion for Oconee Unit 2	Open - Action N
3	Discuss leak-before-break evaluation in SER section 4.2	Open - Action N
4	Clarify admin Controls for Preventive Maintenance	Open - Action N
5	Clarify Discussion of Aux Service Water	Open - Action N
5.1	Raw water portion of the system	Open - Action N
5.2	Air portion of the system	Open - Action N
6	Clarify discussion of CASS	Open - Action N
7	Revise the evaluation of the Chemistry Control Program	Open - Action N
8	Revise the Description of the "Technical Information for Identifying SSCs within scope of License Renewal"	Open - Action N
9	Verify the appropriateness of Specifically referencing documents that are not part of the application	Open - Action N
10	Revise discussion of class E piping supports	Open - Action N

**Oconee License Renewal
Application Status Report to
Duke Energy
October 28, 1999**

David Matthews, Director, Division of Regulatory
Improvement Programs
Chris Grimes, Branch Chief, License Renewal and
Standardization Branch

Oconee Renewal Status

■ Schedule Adherence

- Duke completed responses to safety evaluation report (SER) open items by schedule date of 10/15/99
 - Final SEIS and SER to be issued by 2/12/2000
 - Establish “end game” schedule when resolution of open and confirmatory items is in sight
-

Accomplishments

- Communications continue to be good
 - Duke provided license renewal application (LRA) update on 9/30/99
 - Duke responded to all SER open items (OIs) and confirmatory items (CIs)
 - Staff tracking 43 original SER OIs, and 6 SER CIs
 - Staff also tracking 1 SER OI that was added due to Region II inspection report and 12 comments from Duke on the SER
 - Two letters issued on 10/5 and 10/8 dealing with insulated cables and scoping, respectively
-

Concerns

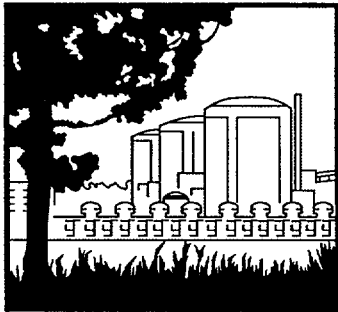
- 10 CFR Part 54 Scoping Issue
 - Scoping plan provided 10/8/99, meeting scheduled for the afternoon of 10/28/99
 - Schedule for the following items needs to be developed
 - Scoping
 - Insulated Cables
 - Reactor Vessel Flange Monitoring Pipes
 - Secondary Shield Wall Tendons
 - Review of additional SSCs that were added to the scope of license renewal due to response to SER OIs or because of LRA update
 - FSAR supplement open item
-

Near Term Schedule

- Staff to identify by mid-November any outstanding issues from the following:
 - SER OIs, CIs, and Duke SER comments
 - Additional SSCs that were added due to SER OI responses or LRA update
 - May need a meeting in December to resolve any outstanding issues
-



Oconee License Renewal Project



Duke/NRC Management Meeting

October 28, 1999



Agenda

- Specific Commission Package Topics
- Review Highlights
- Expectations
- Meeting Plans



Commission Package

- As described to Duke the following are part of the Commission Package of information.
 - ◆ Facility Operating License
 - ◆ Technical Specification Changes (none identified)
 - ◆ Final Safety Evaluation Report ✓
 - ◆ UFSAR Supplement
 - ◆ Region II Recommendation Letter ✓
 - ◆ Final Supplemental Environmental Impact Statement
 - ◆ ACRS Recommendation Letter
 - ◆ Amendment to the Indemnity Agreement

✓ indicates discussion item later in this presentation

October 28, 1999

Oconee License Renewal Project

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Looking Backward Looking Forward

- License renewal's use of the original SER, FSAR and licensing correspondence shows the importance of links among the written record
- For the renewal package, clear links among the SER, the UFSAR Supplement and any license conditions will be an important legacy
- Duke made this observation in a general comment on the SER
- A good goal for the commission package is to assure clear links among the appropriate documents

October 28, 1999

Oconee License Renewal Project

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Commission Package

■ Final Safety Evaluation Report

- ◆ Application annual update submitted September 30, 1999
- ◆ Written responses to all Open Items and Confirmatory Items along with overall comments on the SER were submitted October 15, 1999
- ◆ Good communications continue as Duke and NRC staff have already begun to clarify several follow-up topics from these submittals

October 28, 1999

Oconee License Renewal Project

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Commission Package

■ Region II Recommendation Letter

- ◆ Region II Inspection Report 99-12 was issued on September 21, 1999
- ◆ A specific inspection report item concerning cable aging management prompted ONRR to issue a new SER Open Item 3.9.3-1 on 10/5/99
- ◆ Duke plans to respond by 11/5/99
- ◆ A master list of inspection close-out topics is under development by Region II

October 28, 1999

Oconee License Renewal Project

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Areas Successfully Completed

■ Reactor Vessel Internals

- ◆ Successful meeting with NRC on September 29, 1999
- ◆ Applicant actions agreed to by Duke and provided in 10/15/99 submittal
- ◆ Expect SER on BAW-2248 by end of October

■ McGuire/Catawba Exemption Request

- ◆ Approved October 1, 1999

October 28, 1999

Oconee License Renewal Project

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Priority Areas of Focus

■ Mechanical Scoping Issue

- ◆ NRC letter issued October 8, 1999
- ◆ Plan for resolution is topic of discussion at meeting on October 28, 1999

■ Cable Aging Management Program

- ◆ New SER Open Item 3.9.3-1
- ◆ Duke currently developing a new location-focused cable aging management program

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Expectations

- Expectations to be accomplished by next NRC/Duke Management Meeting
 - ◆ Closure of Mechanical Scoping Issue (Duke and NRC Staff)
 - ◆ Resolve Cable Aging Management Program issue (Duke and NRC Staff)
 - ◆ Provide updated milestone schedule for "End Game" planning (NRC staff)

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Meeting Plans

- Schedule for next NRC/Duke management meetings:
 - ◆ October 28, 1999
 - ◆ November / December date not set - suggest December 7, 1999

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