



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

February 4, 2000

LICENSEES: Baltimore Gas and Electric (BGE) Company and Duke Energy Corporation (Duke)

FACILITIES: Calvert Cliffs Nuclear Power Plant, (CCNPP) Unit Nos. 1 and 2 and Oconee Nuclear Station, (ONS) Unit Nos. 1, 2, and 3

SUBJECT: SUMMARY OF SEPTEMBER 29, 1999, MEETING WITH BGE AND DUKE REGARDING LICENSE RENEWAL ACTIVITIES FOR CCNPP AND ONS

On September 29, 1999, the U. S. Nuclear Regulatory Commission (NRC) staff held a public meeting with representatives of BGE and Duke at Rockville, Maryland, to discuss the status of the NRC's review of BGE's and Duke's license renewal applications (LRAs) for the CCNPP Units 1 and 2 and the ONS Units 1, 2, and 3. Enclosure 1 to this meeting summary provides a list of the meeting attendees. Enclosure 2 provides a copy of slides that were used by NRC, BGE, and Duke to summarize the status of the review of BGE's and Duke's LRAs.

Highlights from the BGE portion of the meeting:

BGE opened by commending the staff and its contractor regarding the work to support the environmental review. BGE stated that as a result of the October 12, 1999 meeting, to discuss options for addressing the final safety analysis report open item, it was in agreement with option 3. Option 3 was the option that would include the list of program features warranting regulatory control in Appendix E to the safety evaluation report. The NRC mentioned that it planned to hold a future meeting to discuss with BGE the model renewal license the staff expected to send BGE shortly (NRC letter dated October 25, 1999). BGE stated they would attempt to complete the list by November 12, 1999. The staff stated that it was the staff's expectation that once BGE submitted the list it would undertake an acceptance review before December 20, 1999, when the staff planned to issue the safety evaluation report for Calvert Cliffs Nuclear Power Plant Units 1 and 2 as NUREG-1705. BGE stated that it would be very concerned if the staff's review would result in any dramatic content changes based on short schedules remaining. The NRC stated that the staff knew it was obliged to verify the list accurately represented the finding in the safety evaluation report and was sensitive to the concern regarding the level of detail given the staff did not have much time between November 12 and December 20. The NRC added that since the staff had previously shared examples with BGE of the level of detail (in an October 12, 1999 meeting, with BGE) for the list, that there should not be significant level of detail issues. BGE stated that it was its understanding that the license condition would be closed out by subjecting the list to the existing 10 CFR 50.59 and other Part 50 processes. The staff stated that the use of the list would be discussed at the upcoming meeting on November 17, 1999, to discuss the model renewed license with BGE.

Dfo

Highlights from the Duke portion of the meeting:

Duke mentioned that Chairman Dicus and Commissioner Merrifield planned to visit ONS in November. Duke expected to discuss the status of the LRA for ONS during the visits. Regarding the schedule for the completion of the review of the LRA Duke noted that they expected their schedule to look similar to the BGE schedule contained in Enclosure 2. Duke also asked if there would be two Advisory Committee on Reactor Safeguards (ACRS) meetings or one. The staff stated that they expected that there would be two meetings. One meeting would be held with the ACRS subcommittee for plant license renewal, and another meeting would be held with the ACRS full committee.

Duke stated that it was concerned about the schedule for resolution of the mechanical scoping issue. The staff stated that at this time no action is required by Duke because the staff was in the process of writing a letter to Duke on the subject that would provide a resolution plan for the issue. The staff stated that after the letter is issued it expected to meet with Duke to discuss the resolution plan and the actions that would need to be taken by Duke to resolve the issue. Subsequent to the meeting the staff issued the resolution plan for the scoping issue in an October 8, 1999, letter.

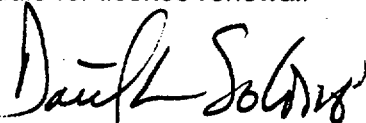
Duke noted that the second inspection report for license renewal was issued on September 21, 1999. Duke questioned how some of the issues would be resolved by the NRC because some of the issues appeared to involve NRC Region II while others associated with the safety evaluation report (SER) appeared to involve NRC Headquarters. The staff stated that at this time it had identified only one issue that calls into question the findings in the SER. The issue involved aging effects of insulated cables and connections. The staff stated that it was its intent to issue a separate letter to Duke detailing the problem and that NRC Headquarters would take the lead in resolving this issue. Subsequent to the meeting the staff issued a letter on October 5, 1999, regarding aging effects of insulated cables and connections. For all other issues in the inspection report, the staff stated that NRC Region II would work with Duke to develop a list of the inspection report issues that would need to be addressed before Duke obtained a renewed license.

Duke noted that a meeting was held the morning of September 29, 1999, to discuss issues associated with reactor vessel internals for the ONS LRA. One of the actions from the meeting was for Duke to provide feedback to the staff on how it wanted to proceed regarding the issuance of the final safety evaluation (FSE) for BAW-2248, "Demonstration of the Management of Aging Effects for the Reactor Vessel Internals." Duke stated that it and members of the Babcock and Wilcox Owners Group preferred the staff to issue the FSE with renewal applicant action items identified for any issue that was not fully resolved.

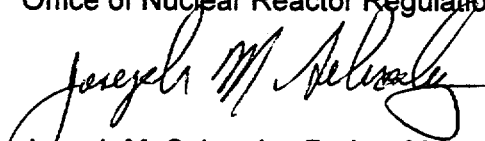
The staff noted that it had been verbally informed by Duke that additional systems, structures and components (SSCs) are now considered to be within scope of license renewal. In addition, the boundaries for some SSCs already considered to be within scope of license renewal were being expanded. These actions were being taken due to responses to SER open items and because of changes to the current licensing basis that had occurred after the LRA was submitted. Duke stated that portions of the component cooling water system and the entire essential siphon vacuum system were being added as a result of the update to the application.

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Duke expected to submit the update to the application shortly. Duke stated that the update would point to existing findings in the SER for the SSCs that were effected by the update. Therefore, Duke did not believe that the expansion of the SSC boundaries or the addition of new SSCs would adversely impact the schedule for license renewal.



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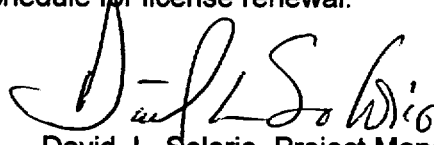
Docket Nos. 50-317 and 50-318 (BGE)
50-269, 50-270, and 50-287 (Duke)

Enclosures: 1. List of Attendees
2. Meeting Slides

cc w/ encls: See next page

February 4, 2000

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NRC MEETING WITH BALTIMORE GAS AND ELECTRIC AND DUKE ENERGY
CORPORATION TO DISCUSS LICENSE RENEWAL ISSUES
ATTENDANCE LIST
SEPTEMBER 29, 1999

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JACK STROSNIDER	NRC\NRR\DE
CHRIS GRIMES	NRC\NRR\DRIP\RLSB
JOE SEBROSKY	NRC\NRR\DRIP\RLSB
JIM BENNETT	BGE
DAVID LEWIS	SHAW PITTMAN
CHARLIE CRUSE	BGE
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CARL J. YODES	BGE
R. P. HEIBEL	BGE
DON SHAW	CNS, INC.
DAVE SOLORIO	NRC\NRR\DRIP\RLSB
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NATALIE MOSHER	EOI-ARKANSAS NUCLEAR ONE (ANO)
GARRY G. YOUNG	EOI-ANO
GREG ROBISON	DUKE ENERGY
DONALD FERRARO	WINSTON & STRAWN
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RON CLARY	SCE&G
NANCY CHAPMAN	SERCH\BECHTEL
COLLEEN AMORUSO	NUS INFO. SERVICES
P.T. KUO	NRC\NRR\DRIP\RLSB
SAM LEE	NRC\NRR\DRIP\RLSB
DOUG WALTERS	NEI
NOEL DUDLEY	ACRS
BPJAIN	NRC\NRR\DE\EMEB
THOMAS KENYON	NRC\NRR\DRIP\RGEB
STEPHEN KOENICK	NRC\NRR\DRIP\RLSB
JIM WILSON	NRC\NRR\DRIP\RGEB
BOB WEISMAN	NRC\OGC
BARRY ZALCMAN	NRC\NRR\DRIP\RGEB
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E.A. THOMPSON	FPL
STEVE HALE	FPL
LYNN CONNOR	DSA
JAKE ZIMMERMAN	NRC\NRR\DRIP\RLSB



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

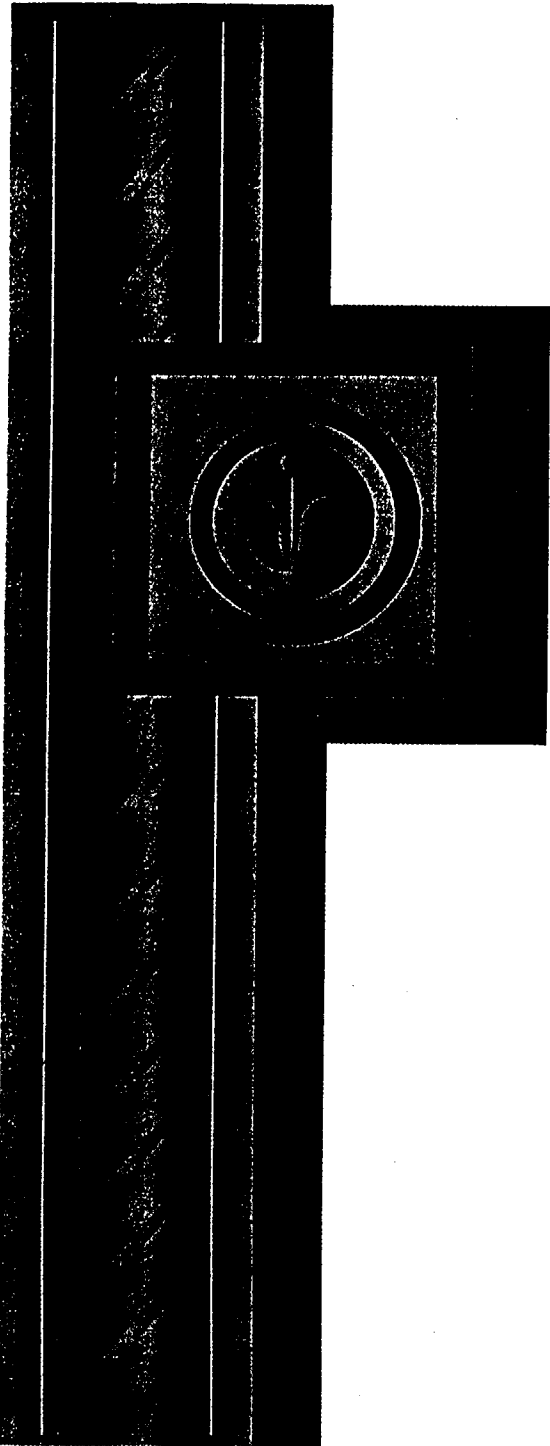
 **Constellation**
Nuclear Services

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

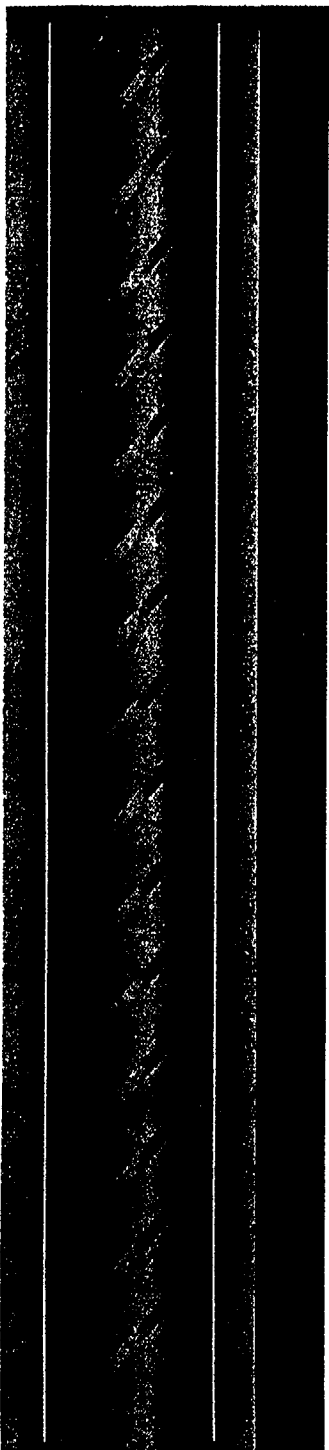
- NRC and BGE reached agreement on success path for all items
- NRC issues SEIS for interagency review
- BGE submittal forwarded remaining clarifications/responses
- October 12 meeting on outstanding OIs/CIs
- License format drafted

● 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

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

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



Oconee License Renewal Project



Duke/NRC Management Meeting

October 28, 1999



Agenda

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

- 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

- 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



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

October 28, 1999

Oconee License Renewal Project

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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)

October 28, 1999

Oconee License Renewal Project

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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

Dec 6 - SLP workshop

Dec 9 - Mgt. mtg.

October 28, 1999

Oconee License Renewal Project

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**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
-

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

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
<p>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</p>	<p>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)</p>	<p>requested drawings</p>
	<p>Add Section 2.2.3.6.10 to the SER to capture scoping for the structures that were added</p>	<p>requested drawings</p>
	<p>Add discussion to existing Section 3.6.3 to capture the AMR for the systems</p>	<p>questions sent 10/27</p>
	<p>Evaluate if fatigue needs to be addressed</p>	
	<p>Add Section 3.8.2.2.15 to capture the aging effects for the structures</p>	<p>no questions</p>
	<p>Add Section 3.8.2.3.10 to capture aging management programs for structures</p>	<p>no questions</p>
<p>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</p>	<p>Add Section 2.2.3.3.4 to capture scoping</p>	<p>requested drawings</p>
	<p>Add discussion to Section 3.6.3 to capture aging management review</p>	<p>questions sent 10/27</p>
	<p>Evaluate if fatigue needs to be addressed</p>	

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)	