



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

April 11, 2000

**DISREGARD PARAGRAPH REGARDING HIGHLIGHTS FROM THE BGE PORTION OF THE
MEETING FOR THE SEPTEMBER 29, 1999, MEETING SUMMARY ISSUED ON
FEBRUARY 4, 2000, AND REPLACE WITH NEW PARAGRAPH**

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:

The NRC staff opened the meeting by summarizing the general progress to close the open and confirmatory items as listed in the March 21, 1999 safety evaluation report related to the license renewal of the Calvert Cliffs Nuclear Power Plant Units 1 and 2. To further accelerate the closure of these items the staff requested a management meeting with BGE on October 12, 1999, to specifically focus both NRC and BGE management attention on any items which still remained open. With respect to future inspection activities for Calvert Cliffs the staff stated that a placeholder for an additional inspection had been set for November 29, 1999; however, the staff added that it was still evaluating the necessity for another license renewal inspection. Regarding the environmental review of the CCNPP LRA the staff stated that it was in progress of finalizing the supplement to the environmental impact statement for license renewal (NUREG-1437) which was expected to be forwarded to the Commission by November 16, 1999. The staff also noted that the commission had recently approved an amendment to Part 51 associated with high-level waste transportation impacts.

After BGE summarized their objectives for the meeting they requested that the staff publish a schedule for the remaining activities to complete the review of BGE's LRA. Regarding the SER open and confirmatory items, BGE stated that they were concerned that there were still unresolved items and in particular they perceived a gap between the NRC's and BGE expectations of the list of information to be provided to resolve the final safety analysis report (FSAR) supplement open item. The staff committed to provide dates for the remaining review milestones. The staff also added that a meeting would be held October 12, 1999, to ensure resolution of open and confirmatory items and provide additional communications regarding the staff's expectations for the list of items to be include in the FSAR. BGE stated that it was also concerned with how emerging issues would be handled as the staff's review of their LRA was nearly complete. The staff stated that any new items would be reviewed at the division management level before holding discussions with BGE. In addition, the staff added that the possibility of a third license renewal inspection to a large part depended on the resolution of the

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open and confirmatory items. Regarding the FSAR supplement open item, the staff stated that it planned on providing BGE with a few examples regarding the level of detail for the material to be included in the FSAR. BGE stated that it was their belief that updating the FSAR was separate from the staff requirement to identify a list of information in accordance with its license renewal procedures (NRR Office Letter 805, License Renewal Review Process). The staff clarified that it needed to identify what is added to the licensing basis that it needed regulatory control over. Further, the staff stated that the assumptions used by the staff to make its findings in the SER needed to be articulated to the Commission and the staff would rely on the FSAR supplement information in this regard.

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

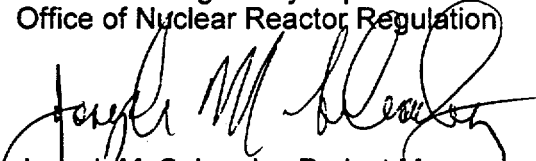
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because of changes to the current licensing basis that had occurred after the LRA was submitted. Duke stated that portions of the component cooling water system and the entire essential siphon vacuum system were being added as a result of the update to the application.

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.



David L. Solorio, Project Manager
License Renewal and Standardization Branch
Division of Regulatory Improvement Programs
Office of Nuclear Reactor Regulation



Joseph M. Sebrosky, Project Manager
License Renewal and Standardization Branch
Division of Regulatory Improvement Programs
Office of Nuclear Reactor Regulation

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

Enclosures: As stated

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April 11, 2000

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/RA/

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OFFICE	LA	RLSB	RLSB	RLSB
NAME	Emilfon	DL Solorio:sg	JM Sebrosky	CI Grimes
DATE	04/17/00	04/14/00	04/14/00	04/11/00

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Oconee Nuclear Station (License Renewal)

cc:

Ms. Lisa F. Vaughn
Duke Energy Corporation
422 South Church Street
Mail Stop PB-05E
Charlotte, North Carolina 28201-1006

Anne W. Cottingham, Esquire
Winston and Strawn
1400 L Street, NW.
Washington, DC 20005

Mr. Rick N. Edwards
Framatome Technologies
Suite 525
1700 Rockville Pike
Rockville, Maryland 20852-1631

Manager, LIS
NUS Corporation
2650 McCormick Drive, 3rd Floor
Clearwater, Florida 34619-1035

Senior Resident Inspector
U. S. Nuclear Regulatory Commission
7812B Rochester Highway
Seneca, South Carolina 29672

Regional Administrator, Region II
U. S. Nuclear Regulatory Commission
Atlanta Federal Center
61 Forsyth Street, SW, Suite 23T85
Atlanta, Georgia 30303

Virgil R. Autry, Director
Division of Radioactive Waste Management
Bureau of Land and Waste Management
Department of Health and
Environmental Control
2600 Bull Street
Columbia, South Carolina 29201-1708

W. R. McCollum, Jr., Vice President
Oconee Site
Duke Energy Corporation
7800 Rochester Highway
Seneca, SC 29672

Mr. Larry E. Nicholson
Compliance Manager
Duke Energy Corporation
Oconee Nuclear Site
P. O. Box 1439
Seneca, South Carolina 29679

Ms. Karen E. Long
Assistant Attorney General
North Carolina Department of Justice
P. O. Box 629
Raleigh, North Carolina 27602

Jeff Thomas, Manager
Manager - Nuclear Regulatory Licensing
Duke Energy Corporation
526 South Church Street
Charlotte, North Carolina 28201-1006

Mr. Richard M. Fry, Director
Division of Radiation Protection
North Carolina Department of
Environment, Health, and
Natural Resources
3825 Barrett Drive
Raleigh, North Carolina 27609-7721

Gregory D. Robison
Duke Energy Corporation
Mail Stop EC-12R
P. O. Box 1006
Charlotte, North Carolina 28201-1006

Robert L. Gill, Jr.
Duke Energy Corporation
Mail Stop EC-12R
P. O. Box 1006
Charlotte, North Carolina 28201-1006
RLGILL@DUKE-ENERGY.COM

Douglas J. Walters
Nuclear Energy Institute
1776 I Street, NW
Suite 400
Washington, DC 20006-3708
DJW@NEI.ORG

Chattooga River Watershed Coalition
P. O. Box 2006
Clayton, GA 30525

Mr. Charles H. Cruse
Baltimore Gas & Electric Company
cc:

President
Calvert County Board of
Commissioners
175 Main Street
Prince Frederick, MD 20678

James P. Bennett, Esquire
Counsel
Baltimore Gas and Electric Company
P.O. Box 1475
Baltimore, MD 21203

Jay E. Silberg, Esquire
Shaw, Pittman, Potts, and Trowbridge
2300 N Street, NW
Washington, DC 20037

Mr. Bruce S. Montgomery, Director
NRM
Calvert Cliffs Nuclear Power Plant
1650 Calvert Cliffs Parkway
Lusby, MD 20657-4702

Resident Inspector
U.S. Nuclear Regulatory Commission
P.O. Box 287
St. Leonard, MD 20685

Mr. Richard I. McLean
Nuclear Programs
Power Plant Research Program
Maryland Dept. of Natural Resources
Tawes State Office Building, B3
Annapolis, MD 21401

Regional Administrator, Region I
U.S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406

National Whistleblower Center
3238 P Street, N.W.
Washington, DC 20007-2756

Calvert Cliffs Nuclear Power Plant
Unit Nos. 1 and 2

Mr. Joseph H. Walter, Chief Engineer
Public Service Commission of
Maryland
Engineering Division
6 St. Paul Centre

Baltimore, MD 21202-6806

Kristen A. Burger, Esquire
Maryland People's Counsel
6 St. Paul Centre
Suite 2102
Baltimore, MD 21202-1631

Patricia T. Birnie, Esquire
Co-Director
Maryland Safe Energy Coalition
P.O. Box 33111
Baltimore, MD 21218

Mr. Loren F. Donatell
NRC Technical Training Center
5700 Brainerd Road
Chattanooga, TN 37411-4017

David Lewis
Shaw, Pittman, Potts, and Trowbridge
2300 N Street, NW
Washington, DC 20037

Douglas J. Walters
Nuclear Energy Institute
1776 I Street, NW.,
Suite 400
Washington, DC 20006-3708
DJW@NEI.ORG

Carl J. Yoder
Baltimore Gas and Electric Company
Calvert Cliffs Nuclear Power Plant
1650 Calvert Cliffs Parkway
NEF 1st Floor
Lusby, Maryland 20657

Mr. Charles H. Cruse, Vice President
Nuclear Energy Division
Baltimore Gas and Electric Company
1650 Calvert Cliffs Parkway
Lusby, MD 20657-4702

DISTRIBUTION:

Hard copy:

RLSB RF

N. Dudley, ACRS - T2E26

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R. Zimmerman

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C. Sochor

J. Vora

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

September 29, 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 ²²
Conduct 3 rd License Renewal Inspection	12/3/99
ACRS Full Committee SER OI/CI Review	12/11/99 ²
ACRS Letter	12/10/99
Issue FSER 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

- Continuing dialogue on remaining open items (OI) confirmatory items (CI)
- Communications are effective and OI/CI trending toward closure
- Conference call to status OI/CI closure
- Request management meeting to discuss remaining OI/CI about October 12, 1999
- Request any supplemental information be submitted no later than October 15, 1999

Summary of LRA Review Activities - continued

■ Resolution of open and confirmatory items

- Staff has interacted with BGE to gain clarification regarding open item responses or changes to LRA
 - CIs (CASS & CEDM shroud bolts) - 1 item requires more interaction
 - OIs (small bore piping, Rx vessel flange leak off line, SCC in RCS, pressurize clad cracking, FSAR) - 4 items require more interaction
 - Letter to BGE regarding void swelling - New OI
 - License renewal issues (scoping, CASS, complex assemblies, heat exchangers)
 - Staff still waiting for BGE submittal with additional clarification as the result of interactions - need responses from BGE to revise SER
-

Summary of LRA Review Activities - continued

Inspection Activities

- Discussed closeout actions to support Region 1 management input for recommendations on license renewal
 - Additional inspection may be performed
 - Placeholder for one week inspection starting November 29, 1999
-

Summary of LRA Review Activities - continued

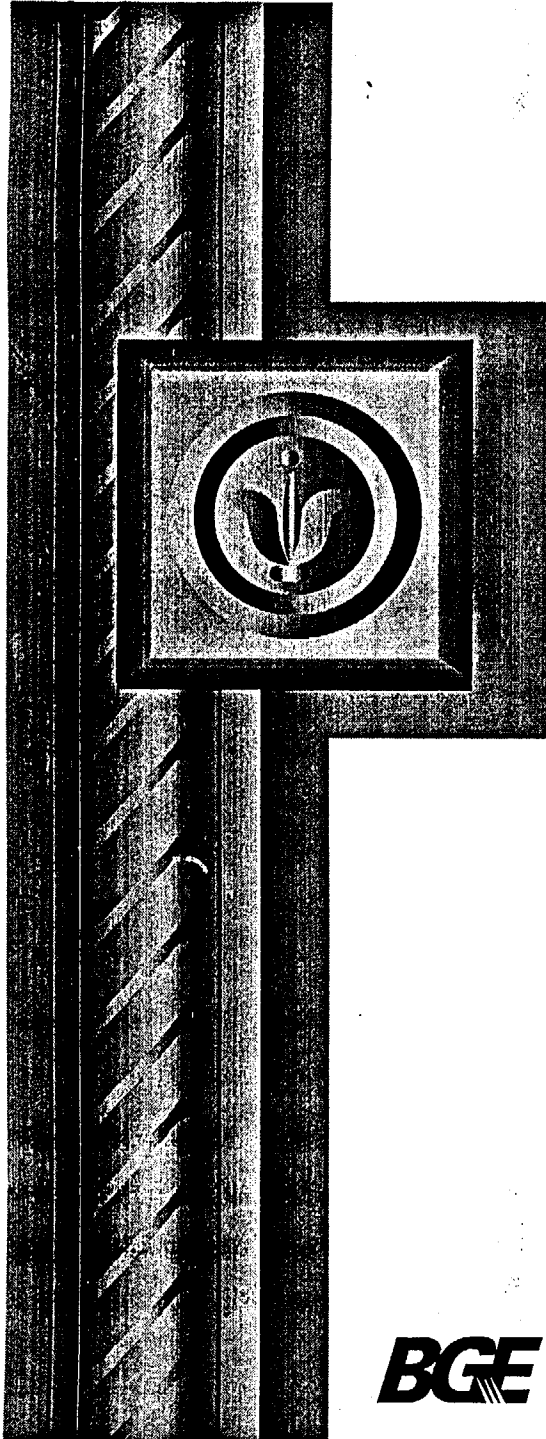
Environmental Review

- Staff in process of finalizing SEIS
- Staff addressing comments received on draft Supplement 1 to the Environmental Impact Statement (SEIS) for License Renewal - Calvert Cliffs
- Commission-approved amendment to Part 51 associated with high-level waste transportation impacts on August 24, 1999
- SEIS to be forwarded to Commission by November 16, 1999

Summary of LRA Review Activities - continued

Petitioner Status

- All briefs filed, case ready for argument on
October 6, 1999
-



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.

September 29, 1999





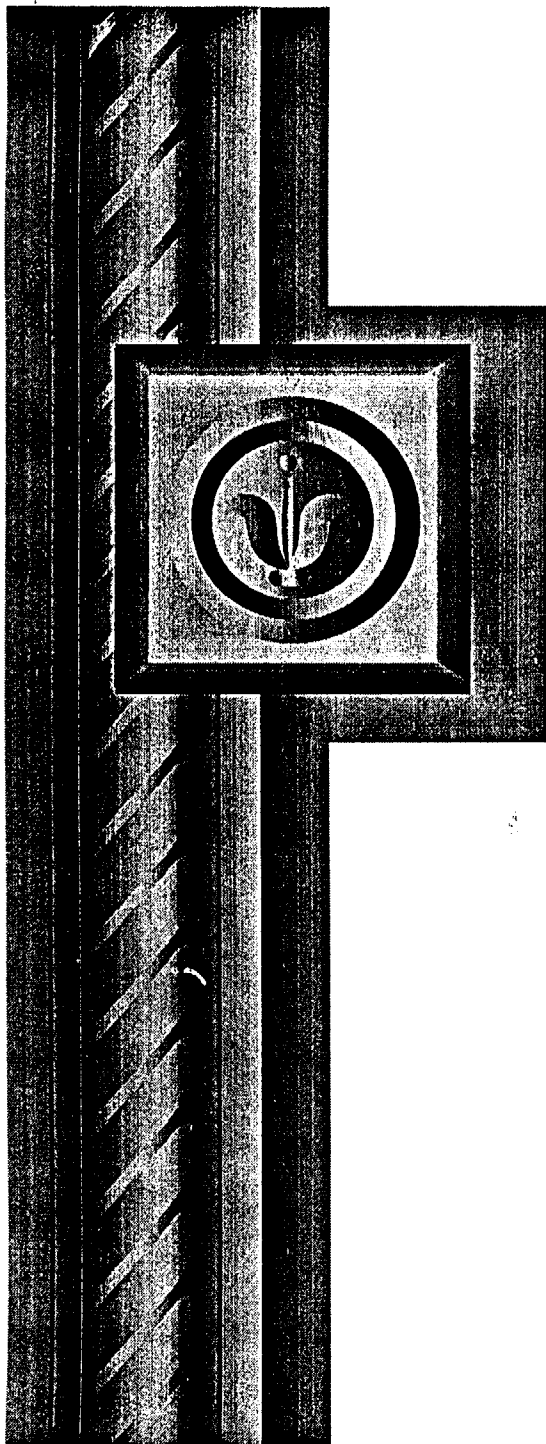
Objectives of Meeting

- 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 September 1999

- Final Schedule Published ↓
 - Draft license review
 - Region I inspection
 - ACRS meeting
 - Region I Administrator recommendation
 - Other significant activities (e.g. generic issues resolution, etc.)
 - Commission decision
- All Open and Confirmatory Items resolved, or escalated ↘
 - Items from NRC's 8/12/99 letter
 - UFSAR Supplement Policy Decision



September 1999 Calvert Cliffs LRA Report Card

September 29, 1999



September 1999 Report Card

● Schedule Adherence

- Nov 16 SER remains on track
- Endgame milestones still TBD

● Quality of Work

- Good. However, there was confusion as to which items were open and which were closed.

● Communications

- Fair. Cumulative effects of no schedule, open item confusion, and lack of coordination for Chairman visit adversely affected communications.

● Accomplishments

- NRC and BGE reached agreement on success path for 7 of 12 items
- BGE chose Option 3 and provided a sample of a list of the programs that provide for aging management for license renewal
- Chairman Dicus site visit
- Senior management interaction

● Concerns

- Provided on next slide



Concerns

- Unresolved open items
- Firming endgame milestones
- The “LIST” purpose and content
- Mechanism to deal with impact of generic and/or emerging license renewal issues



August 12 letter “OI/CI” status

On a likely success path:

- SBO EDG Building Open Item (Scoping)*
- Open Item for ductwork that cools EQ components (Scoping)*
- Commitment for QA program applicability to NSR SSCs.*
- What is an appropriate disposition for the Containment tendon TLAA?*
- Alloy 600 program commitment
- CEA shroud confirmatory item
- SCC of RCS external surfaces

*included in BGE September 1999 submittal



August 12 letter “OI/CI” status

Dialog is still ongoing for*:

- Small bore piping inspections in the RCS
- Questions on CASS program
- Pressurizer inspection location
- RV flange leak-off line
- Void swelling of RVI

* A public meeting is planned for mid October for any remaining unresolved items.



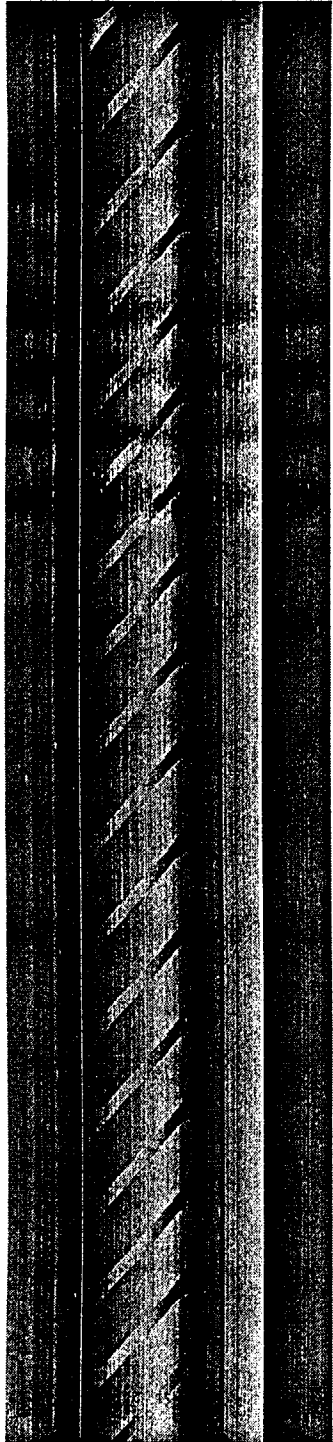
Issues for Escalation

- No technical issues need escalation at this time
- BGE is awaiting NRC comments on the “LIST.” BGE will review the staff proposal and determine a course of action (appeal, etc.)



Proposed Performance Indicators for October 1999

- All OIs and CIs closed.
- Resolution reached on “LIST” purpose and format
- Endgame schedule firmed up



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**

NRC Overall Schedule

1998 (continued)

- 10/1/98 - Deadline for Whistleblower Center Filing - **completed**
- 10/7/98 - NRC Completes Environmental RAIs - **completed**
- 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**

NRC Overall Schedule 1999-2000

- 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**
- 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**
- 11/16/99 - NRC Issues Final SER and SEIS
- TBD - Commission Decision on Application

Oconee License Renewal Application Status Report to Duke Energy September 29, 1999

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

Oconee Renewal Status

- Schedule Adherence

- Duke to complete responses to safety evaluation report (SER) open items by 10/15/99
 - Final SEIS and SER to be issued by 2/12/2000
 - Decision on Renewal by 8/2000
-

Environmental Review

- Staff in progress of finalizing SEIS
- Consulted last week with US Fish and Wildlife Service to address endangered species issue associated with transmission line maintenance activities
 - Reached agreement that, given Duke's practices and procedures relative to transmission line maintenance, continued operation is not likely to adversely affect endangered and threatened species
- Commission approved amendment to Part 51 associated with high-level waste transportation impacts on August 24, 1999
 - Final rule effective date will be October 4, 1999

Accomplishments

- Communications continue to be good
 - Duke responded to 28 out of 43 SER open items
 - Staff provided feedback on 21 of the responses
 - Meeting held on 9/29 to discuss open items related to BAW-2248 (reactor vessel internals) and Oconee SER open items
 - Second inspection report issued on 9/21/99
 - Some aging management programs not fully implemented
 - Aging effects identified for electrical cables
-

Concerns

- 10 CFR Part 54 Scoping Issue
 - Staff to provide plan to Duke for resolution of issue
 - Resolution of BAW-2248 issues
 - Fatigue related open issues
 - FSAR supplement open item
 - Complex Assemblies
 - Schedule impact of this and other scoping items
 - Inspection report identified items
 - Electrical cables
 - Other issues
-

Status of Oconee SER Open and Confirmatory Items as of September 29, 1999

Open Item Number and Reviewer	Description	Duke Action	NRC Action	Response Date	Status
2.1.3.1-1 Bob Latta	Scoping issue	Management Item, Response to Part 1 submitted	Staff decided to conduct site visit Staff to provide scoping resolution plan	Duke letter dtd 6/22/99 Site visit 8/16-8/19	Open Action N
2.2.3-1 Chris Gratton	Recirculated cooling water system should be within scope	Management Item, Proposed response provided during site visit	Staff review of proposed response	Site visit 8/16-8/19 Duke 8/23/99	Open Action N
2.2.3.4.3.2.1-1 Janak Raval	Chilled water system should be within scope	Management Item, Proposed response provided during site visit Duke to provide details of AMR and AMPs	Staff review of proposed response found to be acceptable 9/14/99	Site visit 8/16-8/19 Duke 8/23/99	Confirm
2.2.3.4.3.2.1-2 Janak Raval	Sealant materials for the control room pressurization and filtration system (consumables)	Management Item, Response in preparation			Open
2.2.3.4.8.2.1-1 Tanya Eaton	Portions of the SSF Diesel fuel oil system, starting air system, and jacket water heat exchangers (complex assembly)	Management Item, Response in preparation			Open

Status of Oconee SER Open and Confirmatory Items as of September 29, 1999

Open Item Number and Reviewer	Description	Duke Action	NRC Action	Response Date	Status
2.2.3.6.1.2.1-1 Jin Guo with support from DE	Structural sealants – water stops, caulking, expansion joints (consumables)	Management Item, Proposed response provided	feedback provided 9/22/99, Duke to beef up response relative to sealants used for mechanical pressure boundary	Duke 8/19/99	Open Action-D
2.2.3.6.4.2.1-1 Jin Guo	Turbine building and Keowee building roofs (consumables)	Management Item, Proposed response provided	Proposed response acceptable 9/27/99	Duke 8/19/99	Confirm
2.2.3.7-1 Paul Shemanski	Fire detection cables	Proposed response provided 8/19 Duke to provide amended response	Phone call held on 9/14 Duke to amend response based on call	Duke 8/19/99	Open Action D
2.2.3.7-2 Paul Shemanski	Active equipment in storage	Proposed response provided	Proposed response acceptable 9/14/99	Duke 8/19/99	Confirm
3.0-1 Chris Grimes	Content of FSAR Supplement	Management Item, UFSAR Supplement related Response in preparation			Open
3.1.1-1 Stephanie Coffin	Aging effect inconsistencies in the license renewal application	Response in preparation			Open
3.1.3.1.7.4-1 Jim Davis	Buried piping	Response in preparation	Clarification phone call held on 6/21		Open

Status of Oconee SER Open and Confirmatory Items as of September 29, 1999

Open Item Number and Reviewer	Description	Duke Action	NRC Action	Response Date	Status
3.2.3.3-1 Bob Latta	Appendix B commitment	Management Item, UFSAR Supplement related Response in preparation			Open
3.2.12-1 Stephanie Coffin	SSF HVAC coolers (complex assembly)	Management Item, Response in preparation			Open
3.2.12-2 Stephanie Coffin	SSF heat exchangers	Propose response provided	Staff found proposed response acceptable 8/24/99	Duke 8/23/99	Confirm
3.2.13-1 Stephanie Coffin	Service water piping corrosion program loss of material	Response in preparation			Open
3.2.13-2 Stephanie Coffin	Carbon steel inspection "indicator" of the condition of non-carbon steel components	Response in preparation			Open
3.2.13-3 Stephanie Coffin	Service water piping corrosion program relationship to Keowee	Response in preparation			Open
3.2.13-4 Stephanie Coffin	UT inspections capability to detect localized degradation	Response in preparation			Open
3.3.3.1-1 Hans Ashar	Tendon anchorages	Proposed response provided	Found to be acceptable 9/24/99	Duke 8/19/99	Confirm

Status of Oconee SER Open and Confirmatory Items as of September 29, 1999

Open Item Number and Reviewer	Description	Duke Action	NRC Action	Response Date	Status
3.4.3.2-1 Barry Elliot Allen Hiser	Spray head aging effect (CASS item)	Management Item, Proposed response provided Duke to incorporate info from 8/24 meeting	Staff provided feedback during 8/24 meeting	Meeting on 7/19/99 Meeting 8/24/99	Open Action D
3.4.3.2-2 Barry Elliot Allen Hiser	Void swelling (Reactor Vessel Internals)	Management Item, Proposed response provided BWOG supplemental response provided	Staff review of proposed response Issue BAW-2248 FSE	Meeting on 7/19/99 BWOG ltr dtd 8/16/99 Meeting 9/29	Open Action N
3.4.3.3-1 Barry Elliot Allen Hiser	Pressurizer heater bundle	Proposed response provided	Staff review of proposed response	Duke 8/19/99	Open Action N
3.4.3.3-2 Barry Elliot Allen Hiser	Heater-sleeve-to-heater-bundle diaphragm plate inspection	Proposed response provided	Staff review of proposed response	Duke 8/19/99	Open Action N
3.4.3.3-3 Barry Elliot Allen Hiser	Identify limiting Reactor Vessel Internals component items and incorporate into the ISI program	Management Item, Partial proposed response provided	Staff review of proposed response Issue BAW-2248 FSE	Meeting on 7/19/99 Meeting 9/29	Open Action N

Status of Oconee SER Open and Confirmatory Items as of September 29, 1999

Open Item Number and Reviewer	Description	Duke Action	NRC Action	Response Date	Status
3.4.3.3-4 Barry Elliot Allen Hiser	Baffle former bolts inspection (Reactor Vessel Internals)	Management Item, Proposed response provided	Staff review of proposed response Issue BAW-2248 FSE	Meeting on 7/19/99 Meeting 9/29	Open Action N
3.4.3.3-5 Barry Elliot Allen Hiser	For loss of fracture toughness from synergistic thermal and neutron embrittlement, perform supplemental examinations/evaluations of CASS items (Reactor Vessel Internals)	Management Item, Proposed response provided Duke to incorporate info from 8/24 meeting	Staff review of proposed response Issue BAW-2248 FSE Feedback provided during 8/24 meeting	Meeting on 7/19/99 Meeting 8/24/99 Meeting 9/29	Open Action N
3.4.3.3-6 Barry Elliot Allen Hiser	Vent valve bodies and retaining rings (CASS items) (Reactor Vessel Internals)	Management Item, Proposed response provided Duke to incorporate info from 8/24 meeting	Staff review of proposed response Issue BAW-2248 FSE Feedback provided during 8/24 meeting	Meeting on 7/19/99 Meeting 8/24/99 Meeting 9/29	Open Action N
3.4.3.3-7 Barry Elliot Allen Hiser	Evaluate CASS components to criteria in EPRI TR-106092 (RCP Casing)	Management Item, Proposed response provided Duke to incorporate info from 8/24 meeting	Staff review of proposed response Feedback provided during 8/24 meeting	Meeting on 7/19/99 Meeting 8/24/99	Open Action D

Status of Oconee SER Open and Confirmatory Items as of September 29, 1999

Open Item Number and Reviewer	Description	Duke Action	NRC Action	Response Date	Status
3.4.3.3-8 Jai Rajan	Letdown coolers thermal fatigue	Response in preparation			Open
3.6.1.3.1-1 Tom Cheng	Aging effects of HVAC sub-component parts of isolators	Response in preparation			Open
3.6.2.3.2-1 Jai Rajan/ Stephanie Coffin	RCP oil tank inspection plan	Response in preparation			Open
3.6.3.3.2-1 Stephanie Coffin	Keowee oils sampling program	Proposed response provided	Proposed response acceptable 8/24/99	Duke 8/23/99	Confirm
3.8.3.1-1 Dave Jeng	Spent fuel pool temperature	Proposed response provided	Proposed response acceptable 9/22/99	Duke 8/19/99	Confirm
3.8.3.1-2 Dave Jeng	Experience database should consider results of Oconee baseline inspection and instances of reported unusual events	Proposed response provided	Proposed response acceptable 9/22/99	Duke 8/19/99	Confirm
3.8.3.1.9-1 Dave Jeng	Aging effects for cable trays	Proposed response provided	Proposed response acceptable 9/22/99	Duke 8/19/99	Confirm
3.8.3.2.5-1 Dave Jeng	Secondary shield wall prestressing tendons	Proposed response provided	Proposed response acceptable 9/22/99	Duke 8/19/99	Confirm
4.2.1.3-1 Hans Ashar	Provide discussion of cumulative effects of all possible cycles in the containment fatigue analysis	Response in preparation			Open
4.2.2.3-1 Hans Ashar	Trend lines for containment tendons	Proposed response provided	Staff provided feedback 9/24/99	Duke 9/9/99	Open Action D

Status of Oconee SER Open and Confirmatory Items as of September 29, 1999

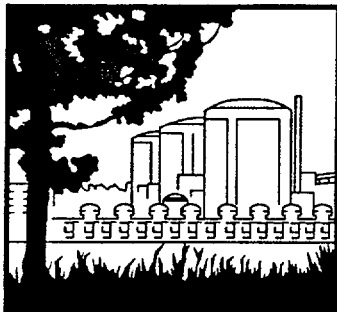
Open Item Number and Reviewer	Description	Duke Action	NRC Action	Response Date	Status
4.2.3-1 Allen Hiser	Provide information regarding the Section XI flaw evaluations for identified locations	Proposed response provided	Feedback provided during 8/25 meeting and 9/14 phone call	Duke 8/23/99 Meeting 8/25	Open Action N
4.2.3-2 John Fair	GSI-190	Staff-identified management item, Duke to consider feedback from staff and amend response as appropriate	Feedback provided to Duke during 8/25 meeting	Duke 8/13/99 Meeting 8/25/99	Open Action D
4.2.5.3-1 Barry Elliot	Plan to develop data to demonstrate that the Reactor Vessel Internals will meet the deformation limit	Management item, Proposed response provided	Staff review of proposed response	Meeting on 7/19/99	Open Action N
4.2.5.3-2 Barry Elliot	Applicability of flaw growth acceptance in accordance with the ASME B&PV code, Section XI ISI requirements (Reactor Vessel Internals)	Management item, Proposed response provided	Staff review of proposed response	Meeting on 7/19/99	Open Action N

Status of Oconee SER Open and Confirmatory Items as of September 29, 1999

Confirmatory Item Number	Description	Duke Action	NRC Action	Response Date	Status
2.2.3.6.9-1 Chris Gratton	Pipe segments that provide structural support	Submit items #14 & 15 from June 2 telecon summary			
3.5.3.2-1 Stephanie Coffin	Reactor Building spray system inspection	Submit item #1 from June 2 telecon summary			
3.6.1.3.2-1 Stephanie Coffin	Auxiliary service water system operating experience	Submit item #2 from June 2 telecon summary			
3.6.3.3.2-1 Stephanie Coffin	Basis for Keowee oil sampling program	Submit Item #5 from June 2 telecon summary			
4.2.1.3-1 Hans Ashar	Containment pressure tests	Management item, UFSAR Supplement related Proposed response provided	Staff review of proposed response found acceptable 9/24/99	Duke 8/19/99	Confirm
4.2.3-1 John Fair	Fatigue Management Program analyses commitments	Staff-identified management item, Proposed response provided	Staff review of proposed response	Duke 9/13/99	Open Action N



Oconee License Renewal Project



Duke/NRC Management Meeting

September 29, 1999

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Agenda

- Commission Package
- Review Highlights
- Expectations
- Meeting Plans

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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
- Should Duke support be required beyond the formal responses currently scheduled, a more detailed milestone schedule would be beneficial
- * Asterisk indicates discussion item later in this presentation

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Commission Package

- Final Safety Evaluation Report
 - ◆ Proposed responses to a majority of 49 Open and Confirmatory Items have been provided and are under discussion with the staff
 - ◆ Two telephone calls held on September 14 to discuss two SER Open Items - fire detection cables and fracture mechanics analyses
 - ◆ Meeting on September 29 discussed RV Internals issues (BAW-2248)
 - ◆ Written responses to all Open Items and Confirmatory Items along with overall comments on the SER will be submitted by October 15

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■ UFSAR Supplement

- ◆ Duke is reviewing the four update options discussed at the August 27, 1999 management meeting
- ◆ Duke has begun a review of responses to RAIs, SER Open Items, SER Confirmatory Items and the SER itself to understand what commitments are associated with these items
- ◆ A list of changes to the UFSAR Supplement (Application Exhibit B) is being prepared based on this review

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■ Region II Recommendation Letter

- ◆ Region II Inspection Report 99-12 was issued on September 21, 1999
- ◆ A number of observations of both plant condition and program status were made
- ◆ A few inspection report items require clarification in the Safety Evaluation Report
- ◆ Duke is prepared to support the staff in resolution of these issues

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Commission Package

■ **Supplemental Environmental Impact Statement**

- ◆ Received the draft Supplemental Environmental Impact Statement on May 21, 1999
- ◆ Duke and the NRC staff met with US Fish and Wildlife Service (USFWS) on September 22, 1999. Plans were made to address USFWS concerns involving threatened and endangered species within the transmission line right-of-ways
- ◆ Duke has completed an annual review of the Oconee Environmental Report (ER) topics (both Category 1 and 2 issues) and determined that there is no new and significant information that would change the ER

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Areas Successfully Clarified

- ### ■ Several SER Open Item topic areas have been successfully clarified. Those areas include:
- ◆ Consumables
 - ◆ Cast Austenitic Stainless Steel Components
 - ◆ Fatigue Items associated with GSI-190

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Priority Areas of Focus

- Reactor Vessel Internals (BAW-2248)
 - ◆ Reaching timely closure of BWOOG report
 - ◆ Addressing applicant action items
- Mechanical Scoping Issue *~ 5/90*
 - ◆ Next step toward closure
- IPA revisions from Annual Update and SER Open Items
 - ◆ Assuring NRC staff is clear on changes to work them into SER findings
- Inspection Report Findings on Cables
 - ◆ Process to define a new location-focused cable aging management program

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Expectations

- Expectations to be accomplished by next NRC/Duke Management Meeting
 - ◆ Provide success path to final safety evaluation on BAW-2248, Reactor Vessel Internals Report (NRC Staff)
 - ◆ Closure of Mechanical Scoping Issue (Duke and NRC Staff)
 - ◆ 1999 Update submitted (Duke)
 - ◆ SER comments and responses (Duke)
 - ◆ Plan to resolve the Inspection Report cable issue (Duke and NRC Staff)
 - ◆ Provide updated milestone schedule for "End Game" planning (NRC staff)
 - ◆ McGuire/Catawba exemption request approved (NRC staff)

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Meeting Plans

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

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