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#### UNITED STATES NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

September 7, 1999

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 AUGUST 27, 1999, MEETING WITH BGE AND DUKE REGARDING LICENSE RENEWAL ACTIVITIES FOR CCNPP AND ONS

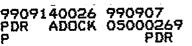
On August 27, 1999, the U. S. Nuclear Regulatory Commission (NRC) staff held a public meeting with representatives of BGE and Duke at Rockville, Maryland, to discuss the status of the NRC's review of BGE's and Duke's license renewal applications (LRAs) for the CCNPP Units 1 and 2 and the ONS Units 1, 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 meeting began with a summary of the NRC staff's progress reviewing the BGE LRA. The staff highlighted that a small number of the open and confirmatory items required further interaction between the staff and BGE to reach closure (by letter dated August 12, 1999) and requested public meetings for that purpose as soon as BGE was ready. The staff added that interaction to date to clarify the nature of BGE's changes to the LRA or responses to open and confirmatory items has been good and to expect the further interactions as the staff completes its review. In addition, the staff requested BGE submit the additional clarifications that resulted from some of the recent interactions as soon as practicable to allow the staff to complete its review in the affected areas. BGE asked if the staff had completed its review of their July 16, 1999, submittal, and if the staff saw any significant issues warranting further interaction. The staff stated that while it was not complete with its review of the July 16, 1999 submittal, it did not see any issues warranting additional interaction with BGE at this time. The staff also thanked BGE for coming in August 20, 1999, to discuss the open item related to updating the final safety analysis report (FSAR) supplement and added that the meeting was beneficial to the staff in formulating an appropriate resolution path. The staff stated that discussions were held with Region 1 management regarding closeout actions from the Region's perspective to support a Regional Administrator recommendation on a re-licensing decision for Calvert Cliffs and it was determined that the Region would conduct an additional inspection activity with one of the currently planned upcoming regional inspections around the end of 1999. The staff concluded its presentation with a status of the environmental and legal activities to support the staff's review of BGE's LRA

BGE initially provided an overview of the recent changes that have occurred in their management structure relative to supporting their LRA and added that the former project director for BGE's LRA (currently president of Constellation Nuclear Services, a sister company to BGE) would still act as the primary contact and BGE's representative for the foreseeable future regarding interactions with the NRC on the LRA. BGE then highlighted their objectives for the meeting as given on page three of their presentation. BGE's representative complemented the staff regarding schedule adherence for the past 15 months and then requested that BGE be informed as soon as the date for the final inspection was established. BGE also asked that once the inspection date was determined would the inspection report need to be issued before the Regional Administrator could forward his recommendation. BGE added that a more detailed

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schedule showing the remaining steps in the review would assist with their planning. The staff responded that the planning for the inspection was largely dependent on the resolution of open items; however, once this milestone was accomplished the staff would be able to firm up plans for the additional steps leading to the staff forwarding its recommendation to the Commission regarding a re-licensing decision.

BGE went on to summarize the issues which it was waiting to hear feedback from the staff on, the issues BGE was still working on, and the issues BGE was preparing responses to the staff on. BGE's representative then recommended that any issues that remained open by the end of September 1999 be escalated. The staff clarified that current issues were in front of the responsible division directors and that any issues that could not be resolved at that level would be elevated to the Director for the Office of Nuclear Reactor Regulation (NRR) to facilitate resolution.

BGE then asked if the staff had additional clarification regarding the FSAR supplement open item. NRC management stated that based on the August 20, 1999 meeting with BGE and Duke the staff had gained insights into understanding both applicant's positions. Following the public meeting the staff considered the applicant's information in internal discussions held with the License Renewal Steering Committee to gain additional insights as the staff proposed its approach for resolving the open item. As a result, 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. The staff considered several options for achieving this objective. 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. 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).

#### Highlights from the Duke portion of the meeting:

The staff noted that the comment period on the draft supplemental environmental impact statement (SEIS) ended on August 16, 1999, which is in accordance with the milestone schedule for the ONS LRA review. Regarding the safety portion of the review, the staff noted that the next major milestone is the completion of responses to the ONS SER open items. Duke is to complete its responses by October 15, 1999. The staff expects to issue the final SER and final SEIS by February 12, 2000.

The staff noted that communications continue to be good with several meetings being held to discuss issues. The meetings that were held included the following: cast austenitic stainless steel (CASS), fatigue, and a meeting to discuss the form and content of the FSAR related to

license renewal. In addition, a site visit was held in August to discuss the scoping issue. The CASS meeting resulted in a plant-specific resolution of issues for Oconee. The fatigue meeting resulted in the staff providing Duke with options for resolution of the open item associated with GSI - 190, "Fatigue Evaluation of Metal Components for 60–year Plant Life." Regarding the resolution of the form and content of the FSAR, the staff noted that the options provided to BGE during the earlier portion of this meeting (see BGE highlights above) are options that are also available to Duke.

Regarding the scoping issue, Chris Grimes of the License Renewal and Standardization Branch stated that "the purpose of the staff's review is to develop sufficient information to describe the scoping methodology in the SER which will provide a technical basis from which the NRC staff can conclude that there is reasonable assurance that the methodology will identify those systems structures and components (SSCs) that are relied upon to remain functional during and following design basis events (DBEs)." It is that terminology over which the NRC staff and Duke have had difficulty communicating clearly. Mr. Grimes continued to summarize the issue as follows:

The staff had expected that, while the Commission had concluded that the current licensing basis (CLB) did not need to be compiled for renewal, licensees would utilize their CLB (as it is defined in 54.3 and has been described generically over the last several years in relation to industry guidance on commitment management and 50.59) to ensure that the renewal scoping process would apply a broad set of design basis events (beyond those DBEs explicitly described in FSAR Accident Analysis Chapter) to address all of the safety functions embodied in and maintained by the CLB. In the letter to NEI regarding generic renewal issue 98-082, "Scoping Guidance", the staff described this expectation in relation to a definition of design basis events as *all events for which the plant must be designed* (using the 50.49 language).

More recently, the staff learned that the Advisory Committee on Reactor Safeguards is considering whether, particularly for older plants, the renewal process should explicitly develop a complete set of events that define the SSCs under Part 54. Consequently, Mr. Grimes stated that this is a timely issue where additional guidance and clarification would be appropriate.

In the meeting on May 11, 1999 Duke explained that they have a particular meaning and practice related to the term "design basis events" and its use in maintaining the CLB. Thus, the methodology for Oconee relies on Chapter 15 events and selected "scoping events" (which Duke calls design conditions), with the same apparent intent as the staff's expectation.

Therefore, the staff believes that this resolution of a finding on the methodology needs to determine whether the "event set" resulting from the application of Duke's methodology is sufficient for the purpose of scoping without having to resolve the language differences surrounding the CLB.

Duke then addressed an action item contained in the summary, dated August 27, 1999, for the August 16-18, site audit. Specifically, the action item was for Duke to reconsider whether the high energy line break (HELB) should be a design-basis event for the purpose of license renewal. Duke stated that although it considers HELB to be part of the Oconee current licensing basis it does not consider HELB to be within the Oconee design basis event set. Nevertheless, Duke stated that the HELB commitments resulted in six modifications to the plant. All of these

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Mr. Charles H. Cruse, Vice President Nuclear Energy Division Baltimore Gas and Electric Company 1650 Calvert Cliffs Parkway Lusby, MD 20657-4702 modifications were screened into license renewal because their functions were captured for reasons other than HELB being considered a DBE. Duke's slides contained in Enclosure 2 provide more details regarding the HELB.

The staff noted that the site audit on August 16-18, 1999, found that for some other events there were safety functions that were determined to be in the CLB and within the scope of renewal for other reasons, including changes to the CLB. Therefore, it would appear that some of these events could now be considered among the "scoping events." Mr. Grimes stated that the NRC staff has an action item to consider this concept (i.e., broadening the set of events considered to be scoping events), along with a more direct approach to safety functions (i.e., place less emphasis on the definition of a DBE and more emphasis on the safety functions that are contained in the CLB), to develop a plan to resolve the issue. After the plan is developed it will be sent to Duke in a letter and discussed with Duke in a meeting in the near future.

In addition to the scoping issue and the FSAR open item, the staff identified other issues that may require management attention. Specifically, the staff stated that the resolution of open items associated with BAW-2248 (reactor vessel internals), fatigue, and complex assemblies may require meetings and management involvement to resolve. A draft of the highlights from the Duke portion of the meeting was provided to Duke to allow them the opportunity to comment on this portion of the summary prior to issuance.

#### Original Signed By

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

#### Original Signed By

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: 1. List of Attendees 2. Meeting Slides

cc w/ encls: See next page

\* See previous concurrence DISTRIBUTION: See next page

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DATE	09/2/99	09/ /99	09/ /99	09/ /99

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#### NRC MEETING WITH BALTIMORE GAS AND ELECTRIC AND DUKE ENERGY CORPORATION TO DISCUSS LICENSE RENEWAL ISSUES ATTENDANCE LIST AUGUST 27, 1999

#### NAME

#### ORGANIZATION

MICHAEL MODES ROUNETTE NADER GREG ROBISON MARK WETTERHAHN WILLIAM MCCOLLUM NANCY CHAPMAN CHUCK RAYBURN DONALD FERRARO EILEEN MCKENNA P.T. KUO STEVE HOFFMAN COLLEEN AMORUSO BARRY ZALCMAN CHRIS GRIMES **BOB WEISMAN DAVID MATTHEWS** DICK WESSMAN JACK STROSNIDER JOE SEBROSKY SAM LEE **GENE IMBRO** BARTH DOROSHUK DICK HEIBEL CARL YODER DON SHAW JAMES BENNETT **DAVID LEWIS** 

NRC RI DUKE DUKE ENERGY WINSTON & STRAWN DUKE ENERGY SERCH/Bechtel CNS, INC **WINSTON & STRAWN** NRC/DRIP/RGEB NRC/DRIP/RLSB NRC/DRIP/RLSB NUS INFO. SERVICES . NRC/DRIP/RGEB NRC/DRIP/RLSB NRC/OGC NRC/DRIP NRC/DE NRC/DE NRC/DRIP/RLSB NRC/DRIP/RLSB NRC/NRR CNS, INC. BGE BGE CNS BGE SHAW PITTMAN

Meeting Slides

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

August 27, 1999 David Matthews, Director, Division of Regulatory Improvement Programs Chris Grimes, Branch Chief, License Renewal & Standardization Branch

## **Summary of LRA Review Activities**

## Safety Review

- Staff reviewed BGE open/confirmatory item responses
- August 12, 1999 letter to BGE with status regarding which open or confirmatory items require further interaction
- Staff reviewing LRA changes
- Staff reviewing comments from BGE regarding SER accuracy
- Staff is in process of revising SER
- FSER to be issued by November 16, 1999

## Resolution of open/confirmatory items

- August 20, 1999 staff held meeting with BGE on FSAR supplement open item
- Staff requested public meetings with BGE to discuss some responses (requested interaction on 8 of 48 items) including license renewal issues (scoping, CASS, complex assemblies, heat exchangers) and void swelling
- Staff has interacted with BGE to gain clarification regarding open item responses or changes to LRA
- More interaction should be expected to clarify BGE submittals
- Staff waiting for BGE submittal with additional clarification as the result of interactions

## Inspection Activities

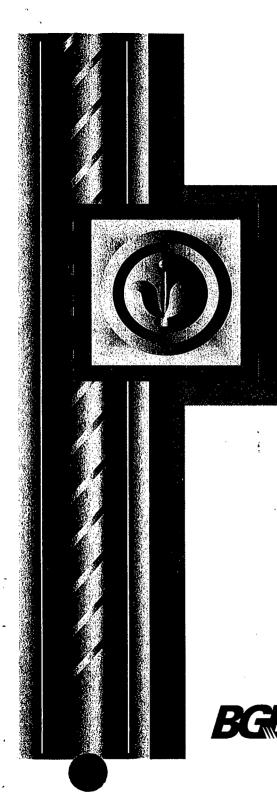
- Discussed closeout actions to support Region 1 management input for recommendations on license renewal
- Additional inspection to be performed
- Coordinate with currently planned inspection activities occurring around end of 1999

## Environmental Review

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

## Petitioner Status

- All briefs filed, case ready for argument 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.

August 27, 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 August 1999**

NRC decision on acceptability of BGE's Open Item/Confirmatory Item responses

Revised UFSAR Supplement sections submitted for three programs (now n/a)

NRC decision on a public meeting (now n/a)







# August 1999 Calvert Cliffs LRA Report Card

#### August 27, 1999

## **SER follow-up Items**

#### **BGE** waiting

- How does the NRC position on scoping affect:
  - The heat exchange function (NRC's action)
  - Complex assemblies (NRC's action)

#### **BGE working**

- Does CVCS small bore piping ARDI bound RCS small bore piping for SCC?
- CEA shroud bolt confirmatory item
- SCC of RCS external surfaces

# SER follow-up Items (cont')

## **BGE writing**

- How does the NRC-to-NEI letter on scoping affect:
  - SBO EDG Open Item
  - Open Item for ductwork that cools EQ components
- Commitment for QA program applicability to NSR SSCs.
- RV flange leak-off line
- What is an appropriate disposition for the Containment tendon TLAA?
- New item void swelling of RVI

CCNPP License Renewal Status Report to the USNRC 99-041

# **Proposed Performance Indicators for September 1999**

## • Final Schedule Published

- Draft license review
- Region I inspection
- ACRS meeting
- Region I Director recommendation
- Commission decision
- All Open and Confirmatory Items resolved, or escalated
  - Items from NRC's 8/12/99 letter
  - UFSAR Supplement Policy Decision resolved

CCNPP License Renewal Status Report to the USNRC 99-041



# NRC Schedule for BGE Calvert Cliffs License Renewal Application

CCNPP License Renewal Status Report to the USNRC 99-041

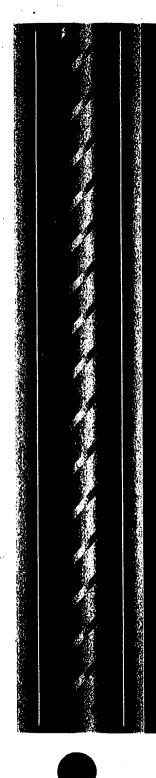


# NRC Overall Schedule 1998

- 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





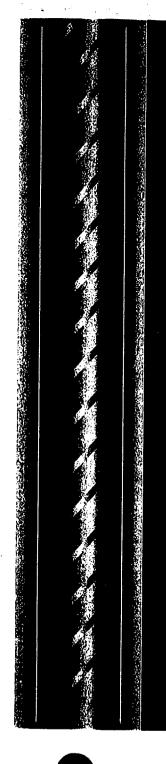


# NRC Overall Schedule 1998 (continued)

- 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 August 27, 1999

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

#### **Oconee Renewal Status**

#### 8/27/99

#### **Schedule Adherence**

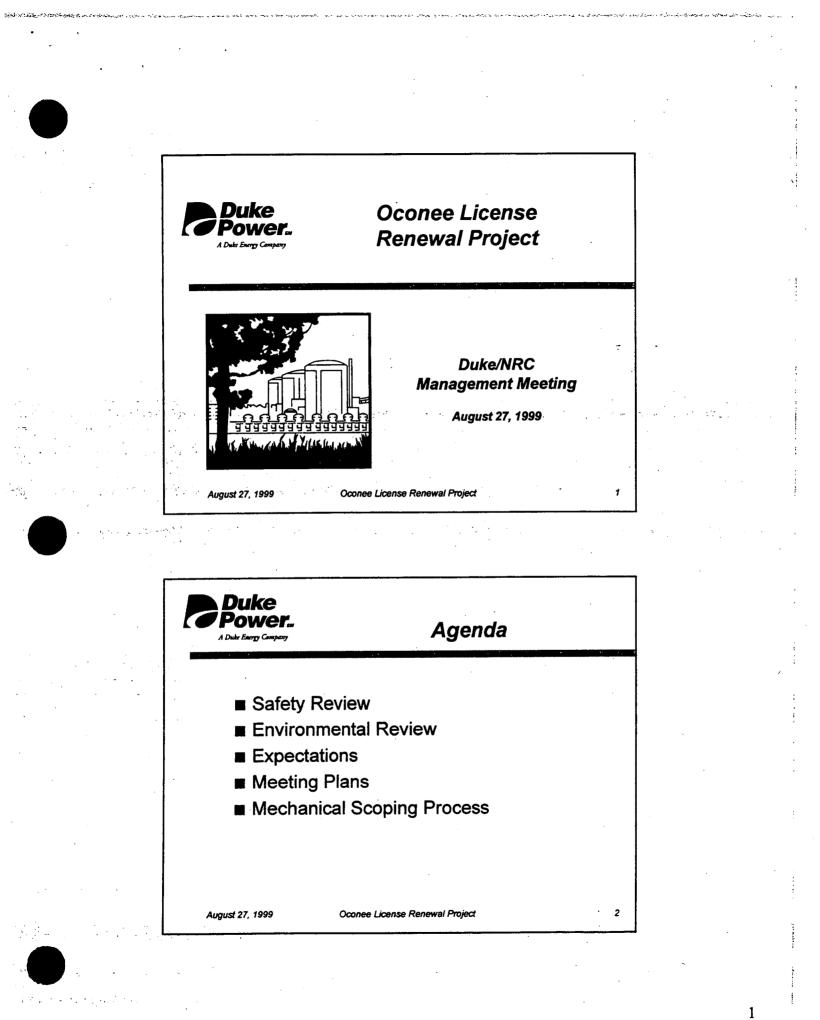
- Comment period on draft SEIS ended 8/16/99
- Duke to complete responses to SER open items by 10/15/99
- Final SEIS and SER to be issued by 2/12/2000

#### Accomplishments

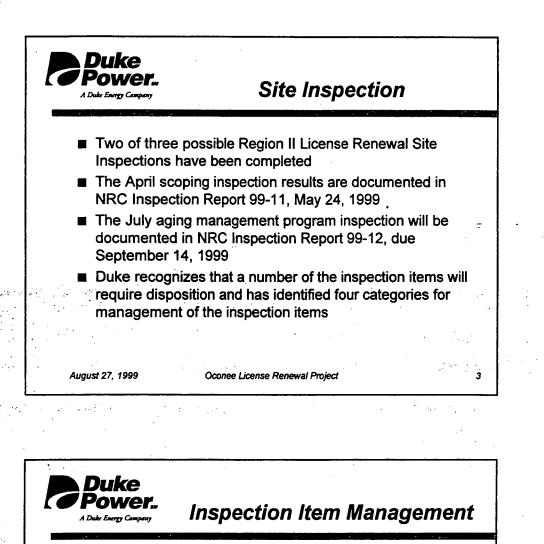
- Communications continue to be good
  - Scoping meeting held at the site from 8/16 thru 8/18
  - FSAR meeting held on 8/20
  - Cast Austenitic Stainless Steel (CASS) meeting held on 8/24 — resolution path identified
  - Fatigue meeting held on 8/25
- Duke has provided responses for 27 out of 43 SER issues
- Region-based inspection status
  - Second regional based inspection report due to be issued by 9/14/99

#### Concerns

- Tracking status of 43 open items and 6 confirmatory items
  - Duke providing responses
  - Duke requested to provide priority for feedback from staff
- 10 CFR Part 54 Scoping Issue
  - Duke requested to provide feedback to staff on "Design Basis Events" used for scoping
- Resolution of BAW-2248 (Reactor Vessel Internals) issues
- Fatigue related issues
- FSAR open item
- Complex Assemblies





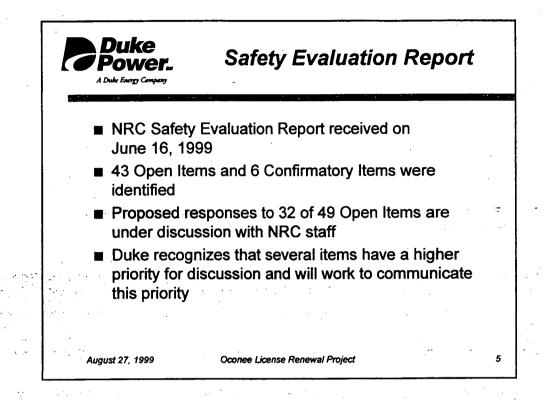


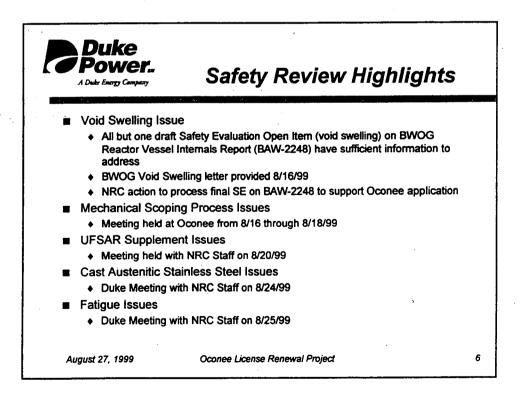
Four Inspection Item Categories:

- Mismatches between LR and the plant where LR needs to change.
   ➤ Managed by the annual update process. Due 9/30/99.
- Mismatches between LR and the plant where the plant needs to change.
   Managed by final SER, final license when commitments are defined.
- Safety Evaluation Report Open Items and Comments.
   ➤ Managed by Duke responses to SER Open Items due 10/15/99
- Specific plant condition observations.
   ➤ Duke believes that existing programs / proposed programs credited for LR would have identified and managed these observations. Any plant hardware issues that may still exist are being managed via current station practices.

August 27, 1999

Oconee License Renewal Project





	A Duke Energy Company	CRS Meeting			
	<ul> <li>Duke is scheduled to upd Committee on Reactor Sa committee on September</li> <li>Duke had previously upda renewal subcommittee on</li> </ul>	afeguards (ACRS) full 1, 1999 ated the ACRS licens		·	
an an an trainn a th	en 1986 - State Barris, and an 1985 - State State 1986 - State St	e e e e e e e e e e e e e e e e e e e	• •	. • <sup>1</sup>	a de la compañía de l
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	August 27, 1999 Oconee License /	Renowed Giniant	7		•
	Duke Power Envir	onmental Revie	ew.		
	Received the draft Supple	emental Environmenta			
	Impact Statement on May <ul> <li>NRC held two public meet</li> </ul>		in		
	Clemson, SC Duke provided 78 written SEIS on August 16, 1999	comments on the dra	ft ,		
	Clemson, SC Duke provided 78 written	on is required by the l	NRC		
	Clemson, SC Duke provided 78 written SEIS on August 16, 1999 No further Duke information complete the final Supplet	on is required by the l	NRC		

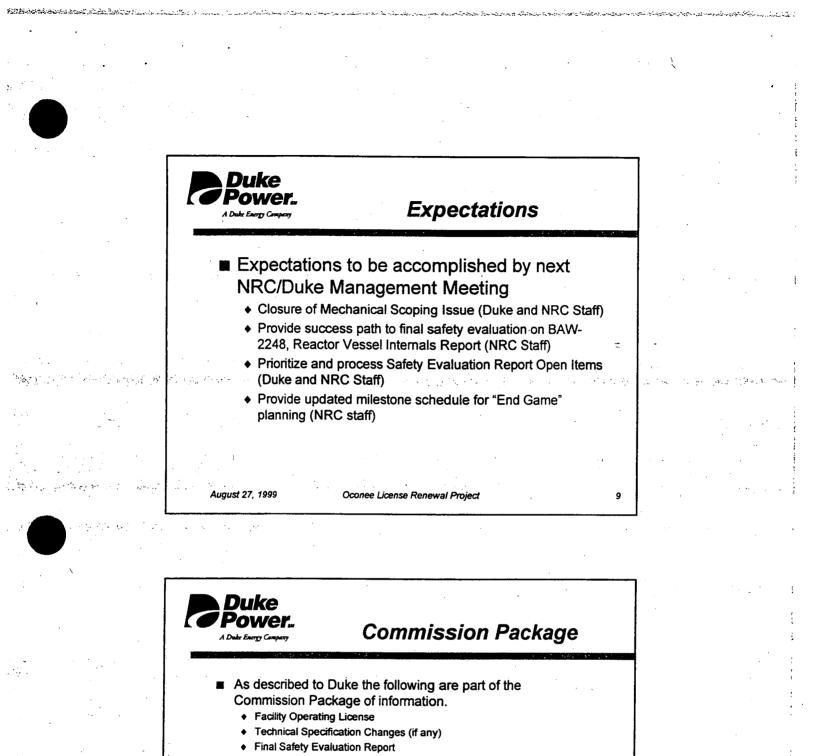
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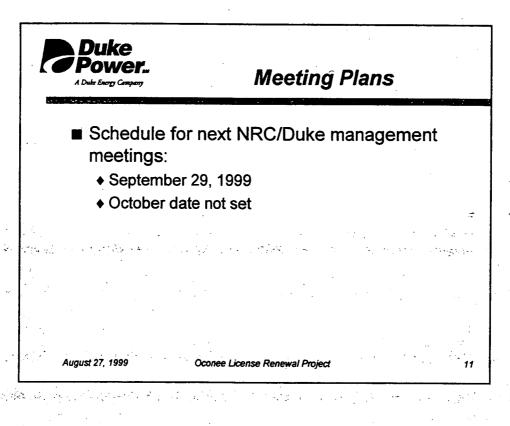
Final Supplemental Environmental Impact Statement

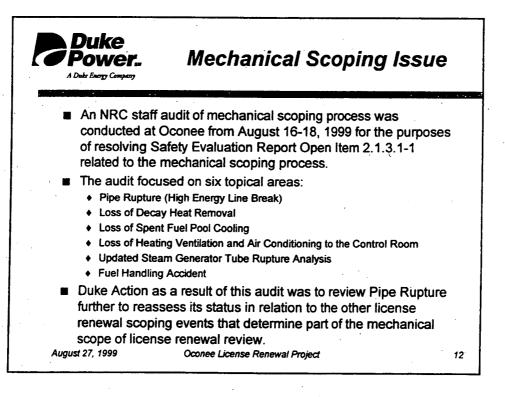
- ACRS Recommendation Letter
- Region II Recommendation Letter
- UFSAR Supplement
- Amendment to the Indemnity Agreement
- Should Duke support be required beyond the formal responses currently scheduled, a more detailed milestone schedule would be beneficial

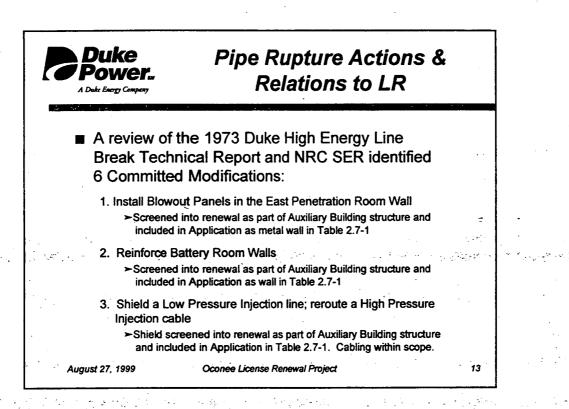
August 27, 1999

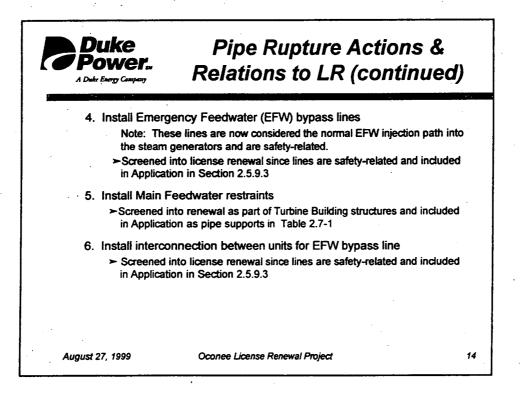
Oconee License Renewal Project

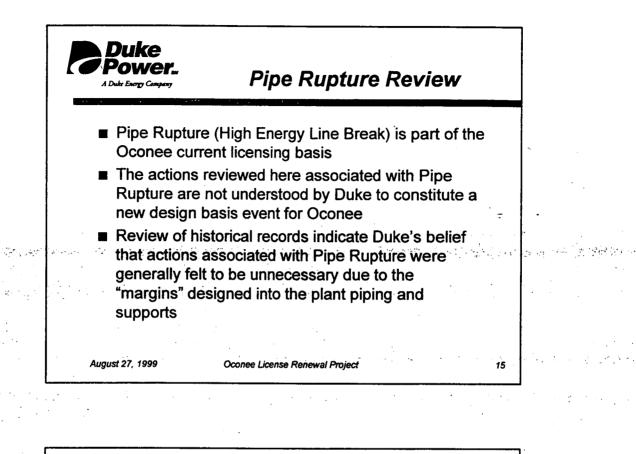
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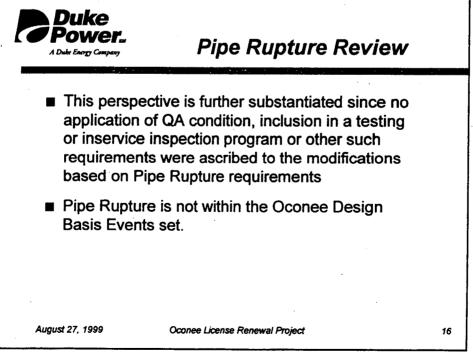


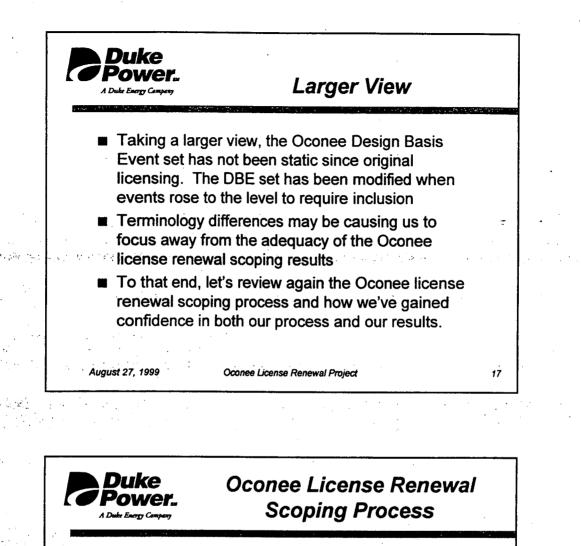










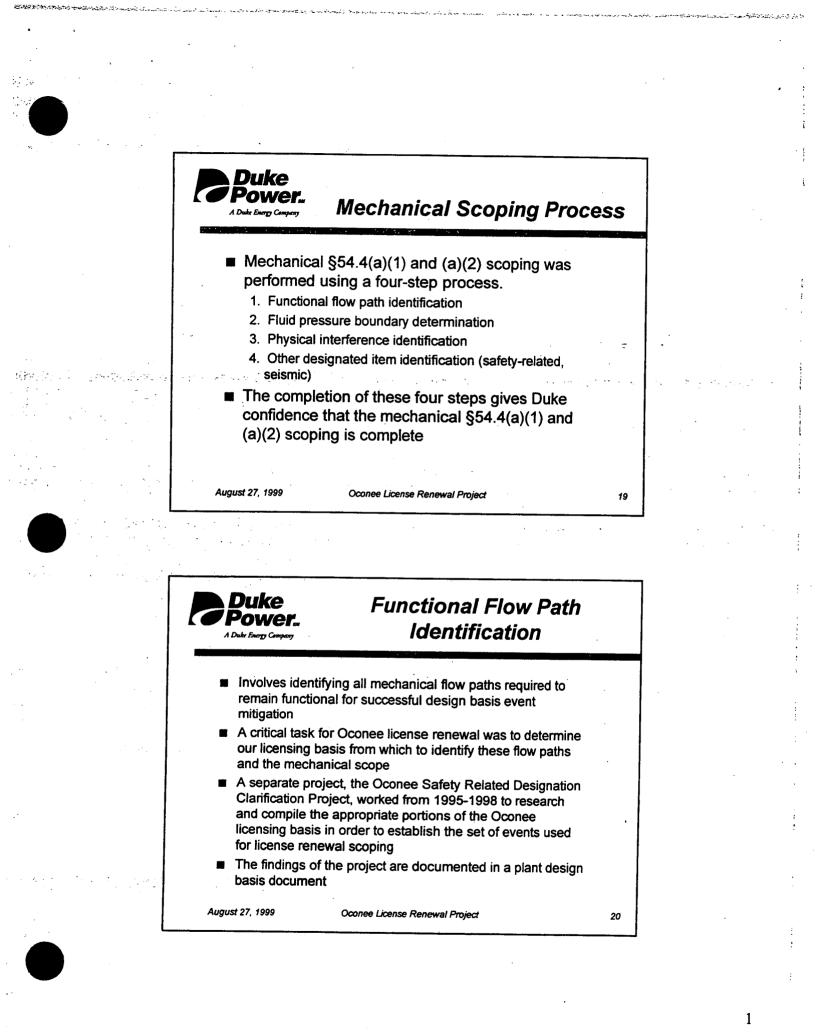


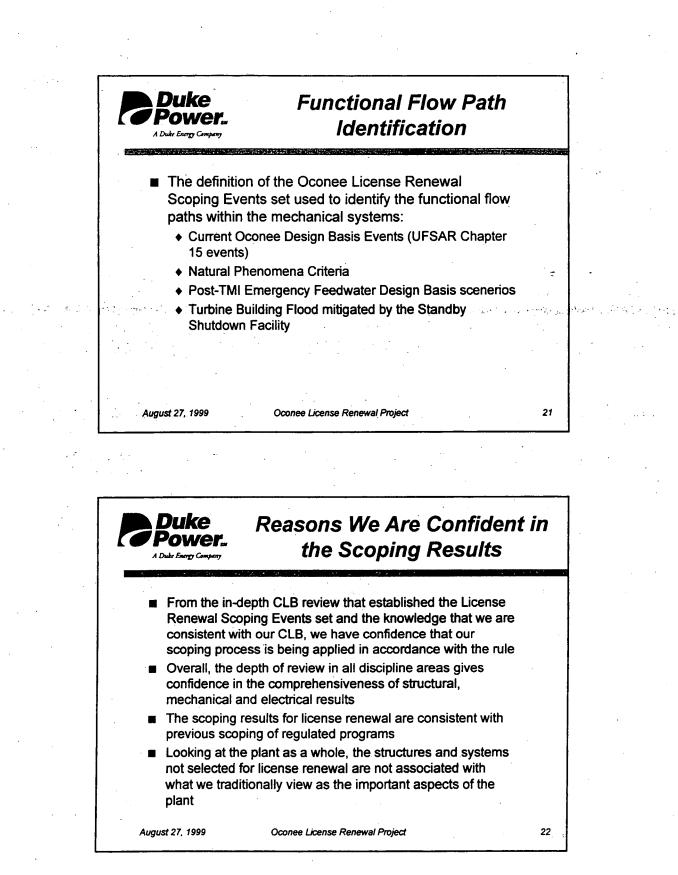
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- Structures Structural scoping relies on the Oconee CLB to define scope
- Mechanical Systems Mechanical scoping is a functional review process based on the CLB
- Electrical Components Electrical scoping relies on an encompassing approach to include all electrical components in scope unless specifically scoped or screened out

August 27, 1999

Oconee License Renewal Project





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

August 27, 1999 David Matthews, Director, Division of Regulatory Improvement Programs Chris Grimes, Branch Chief, License Renewal & Standardization Branch

### **Summary of LRA Review Activities**

#### Safety Review

- Staff reviewed BGE open/confirmatory item responses
- August 12, 1999 letter to BGE with status regarding which open or confirmatory items require further interaction
- Staff reviewing LRA changes
- Staff reviewing comments from BGE regarding SER accuracy
- Staff is in process of revising SER
- FSER to be issued by November 16, 1999

# Summary of LRA Review Activities continued

### Resolution of open/confirmatory items

- August 20, 1999 staff held meeting with BGE on FSAR supplement open item
- Staff requested public meetings with BGE to discuss some responses (requested interaction on 8 of 48 items) including license renewal issues (scoping, CASS, complex assemblies, heat exchangers) and void swelling
- Staff has interacted with BGE to gain clarification regarding open item responses or changes to LRA
- More interaction should be expected to clarify BGE submittals
- Staff waiting for BGE submittal with additional clarification as the result of interactions

### **Summary of LRA Review Activities continued**

#### Inspection Activities

- Discussed closeout actions to support Region 1 management input for recommendations on license renewal
- Additional inspection to be performed
- Coordinate with currently planned inspection activities occurring around end of 1999

### **Summary of LRA Review Activities continued**

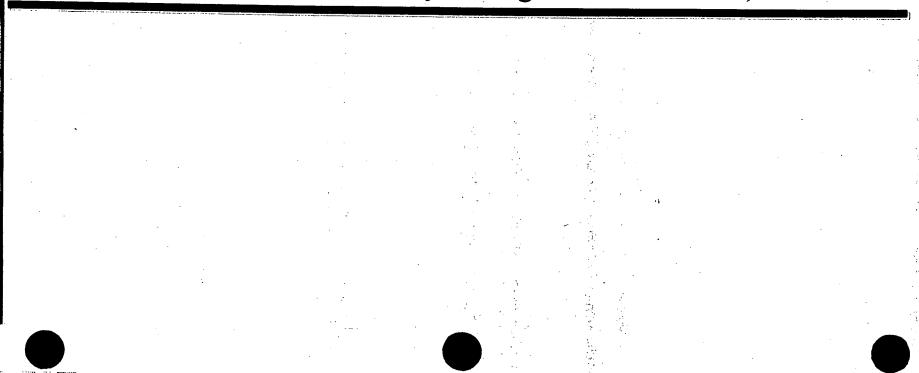
#### Environmental Review

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

### **Summary of LRA Review Activities continued**

#### Petitioner Status

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





### August 1999 Calvert Cliffs LRA Report Card

August 27, 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.

August 27, 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 August 1999**

NRC decision on acceptability of BGE's
 Open Item/Confirmatory Item responses ✓

 Revised UFSAR Supplement sections submitted for three programs (now n/a)

NRC decision on a public meeting (now n/a)

CCNPP License Renewal Status Report to the USNRC 99-041

### August 1999 Report Card

#### Schedule Adherence

- On track

#### Quality of Work

– Good

### Communications

- Good

#### Accomplishments

NRC reaction to SER
 OI and CI responses
 submitted 8/12/99
 UFSAR Supplement OI
 discussed on 8/20/99

Concerns

see next slide

### Managing the End Game -Remaining Activities

Region I

Scope of December inspection

Recommendation Letter from Region I Director
 <u>Schedule Firming</u>

- Final ACRS meeting
- Commission briefing/decision

UFSAR Supplement

Decision

**Documents** 

- The renewed licenses drafts for comment
- SEIS BGE understands there are no issues.
- Closing the SER follow-up Items

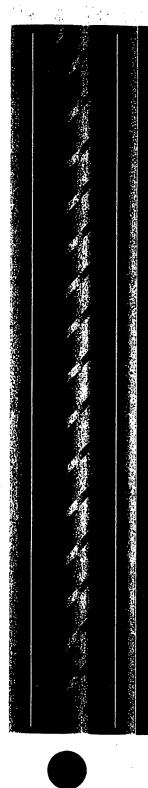
### **SER follow-up Items**

#### **BGE** waiting

- How does the NRC position on scoping affect:
  - The heat exchange function (NRC's action)
  - Complex assemblies (NRC's action)

#### **BGE working**

- Does CVCS small bore piping ARDI bound RCS small bore piping for SCC?
- CEA shroud bolt confirmatory item
- SCC of RCS external surfaces



### SER follow-up Items (cont')

#### **BGE writing**

- How does the NRC-to-NEI letter on scoping affect:
  - SBO EDG Open Item
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- New item void swelling of RVI

CCNPP License Renewal Status Report to the USNRC 99-041

### **Proposed Performance Indicators for September 1999**

### Final Schedule Published

- Draft license review
- Region I inspection
- ACRS meeting
- Region I Director recommendation
- Commission decision
- All Open and Confirmatory Items resolved, or escalated
  - Items from NRC's 8/12/99 letter
  - UFSAR Supplement Policy Decision resolved

CCNPP License Renewal Status Report to the USNRC 99-041

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

CCNPP License Renewal Status Report to the USNRC 99-041



### NRC Overall Schedule 1998

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- 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
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- 9/28/98 Management Progress Review completed

CCNPP License Renewal Status Report to the USNRC 99-041

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### NRC Overall Schedule 1999-2000

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CCNPP License Renewal Status Report to the USNRC 99-041

### Oconee License Renewal Application Status Report to Duke Energy August 27, 1999

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

#### **Oconee Renewal Status**

8/27/99

#### **Schedule Adherence**

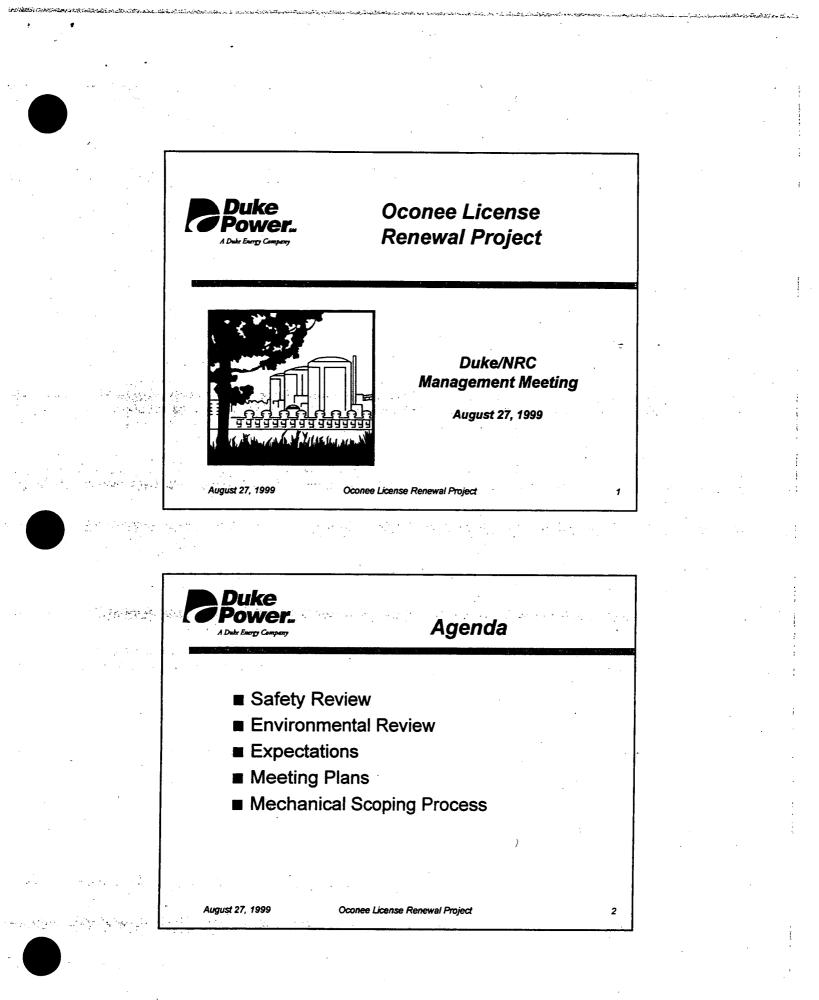
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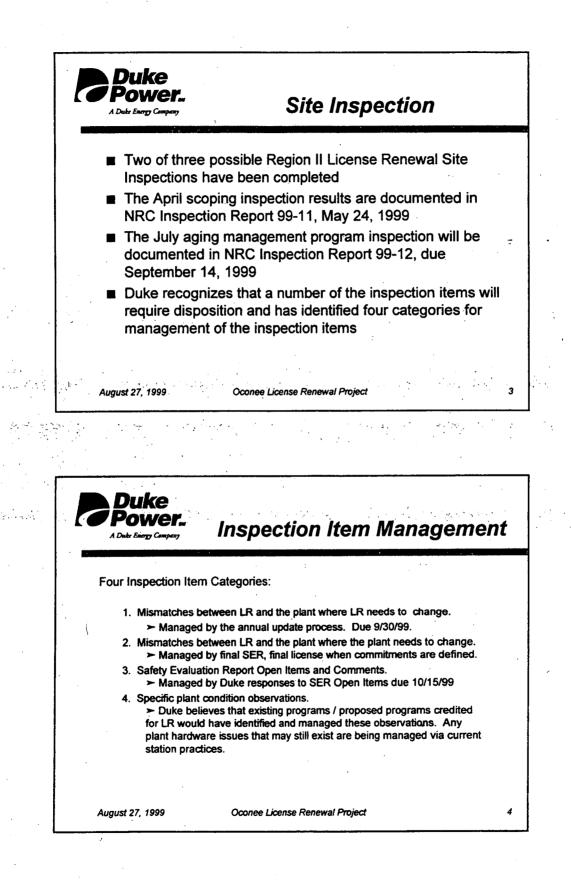
#### Accomplishments

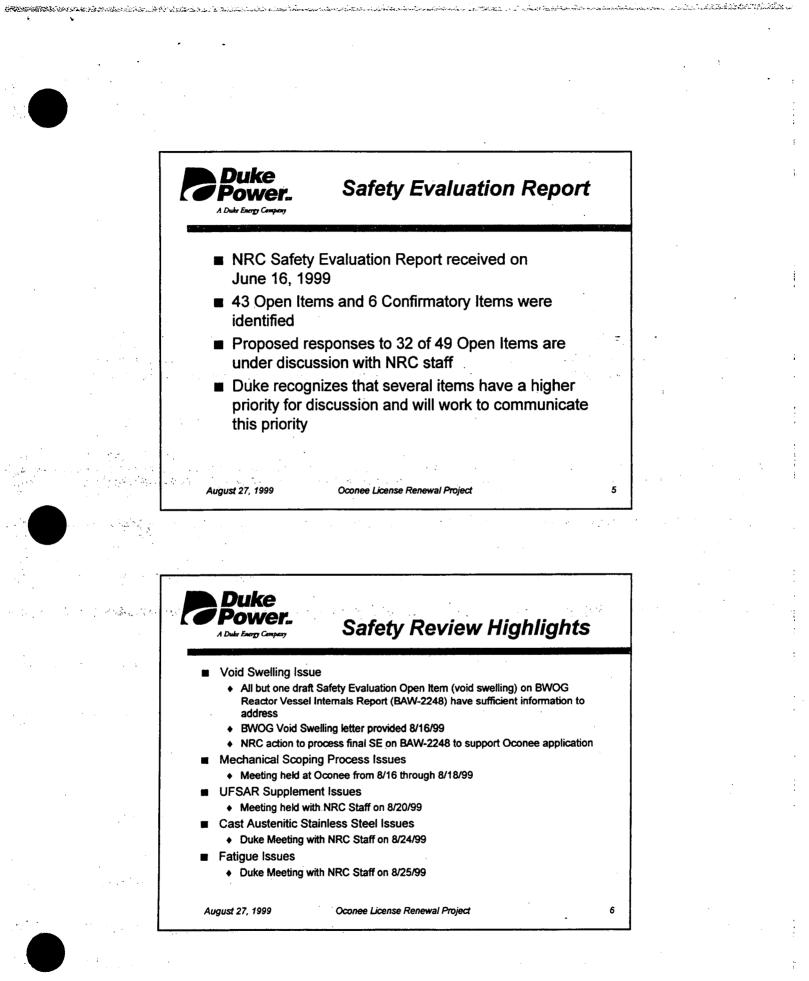
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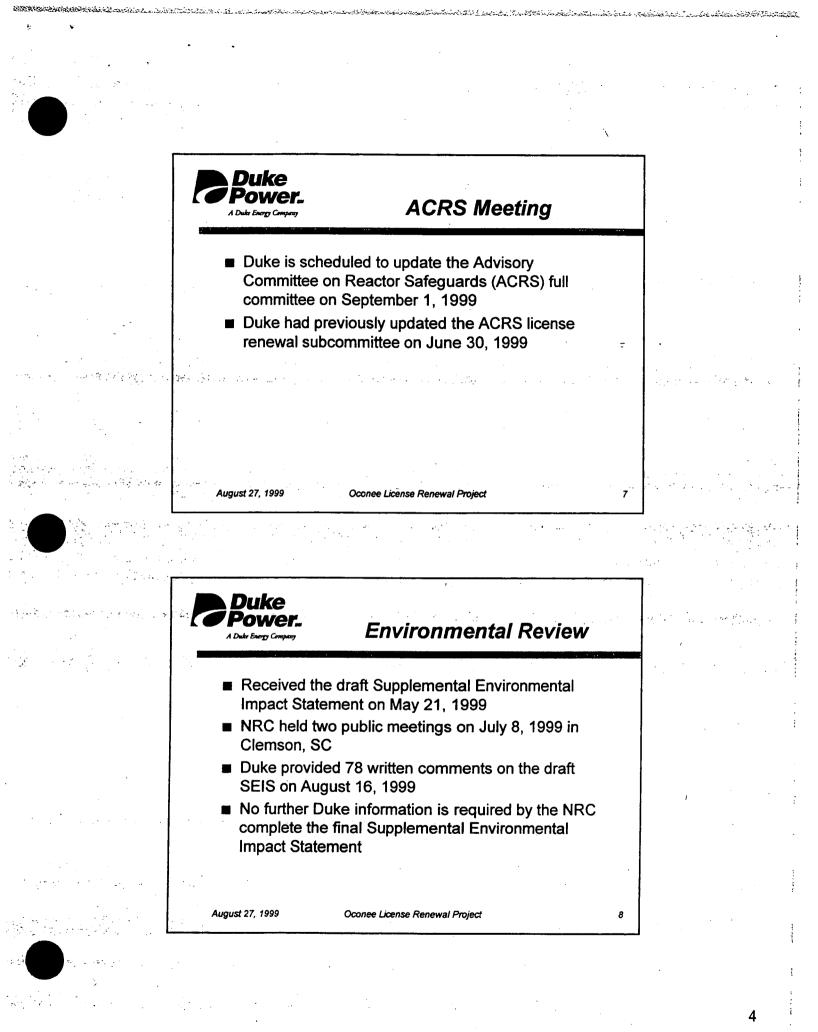
#### Concerns

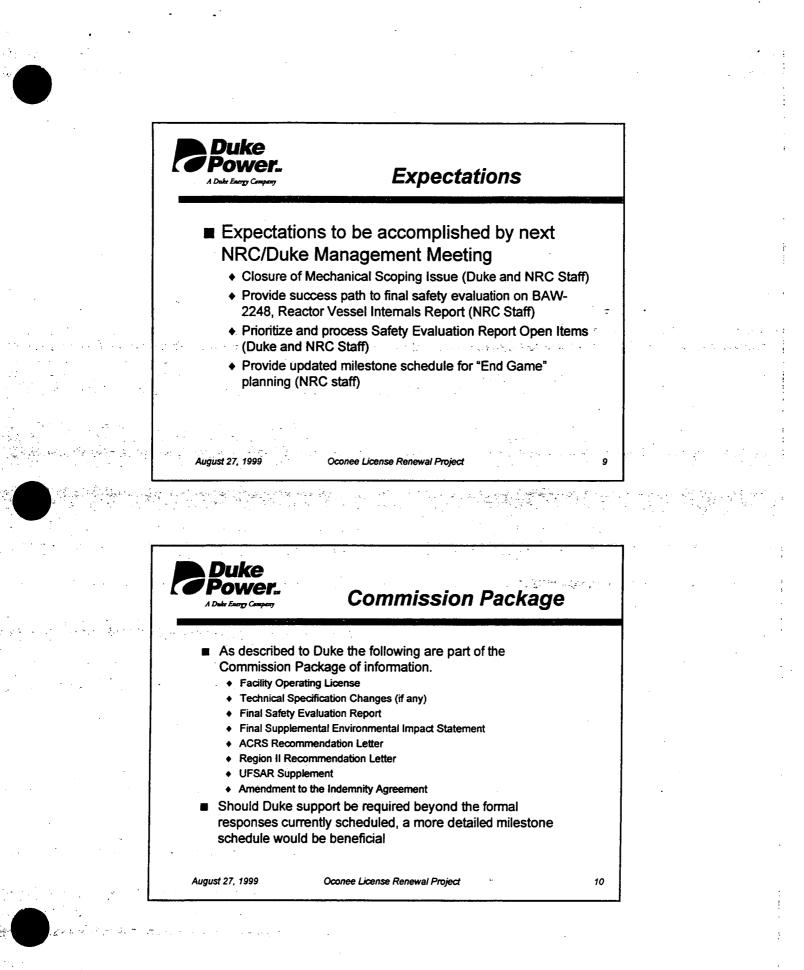
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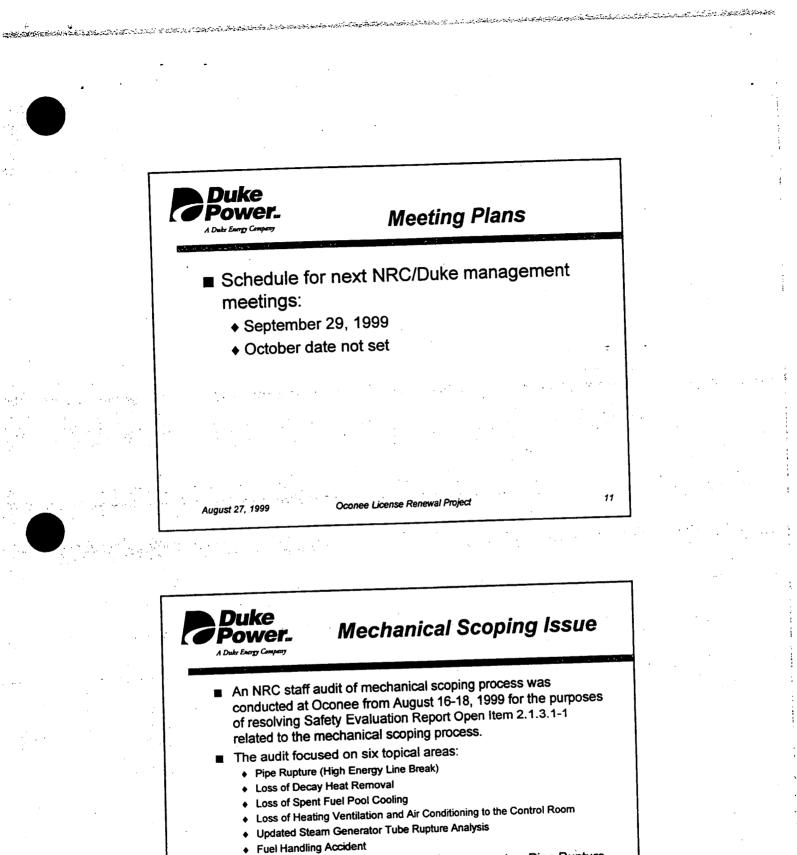








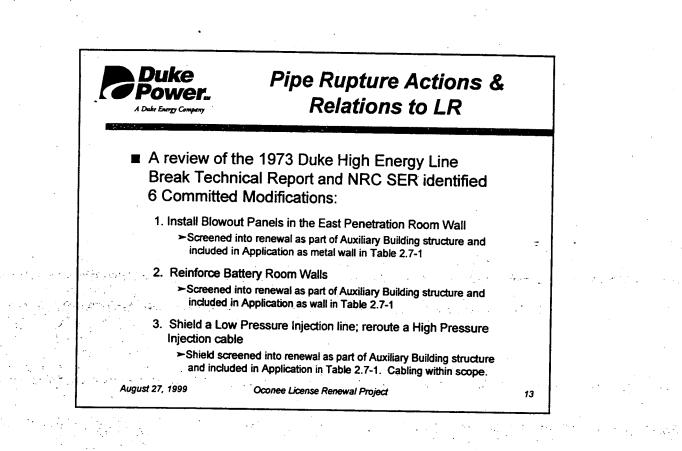




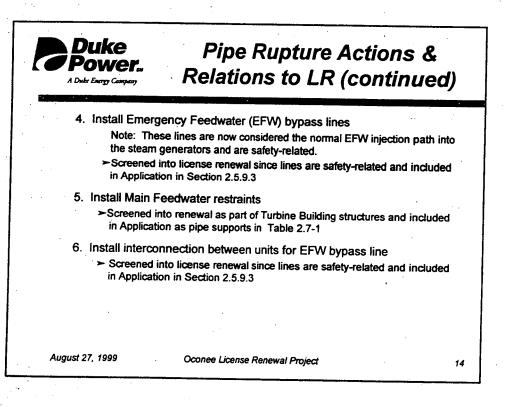
Duke Action as a result of this audit was to review Pipe Rupture further to reassess its status in relation to the other license renewal scoping events that determine part of the mechanical scope of license renewal review. Oconee License Renewal Project

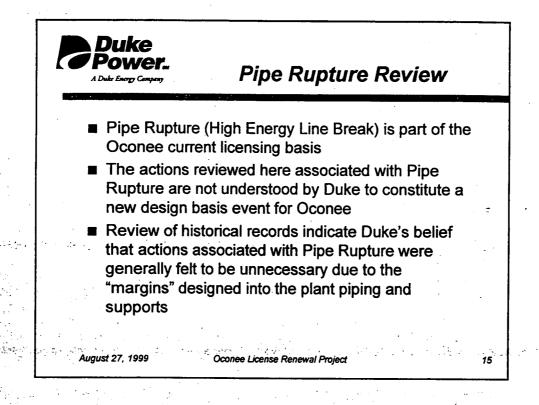
August 27, 1999

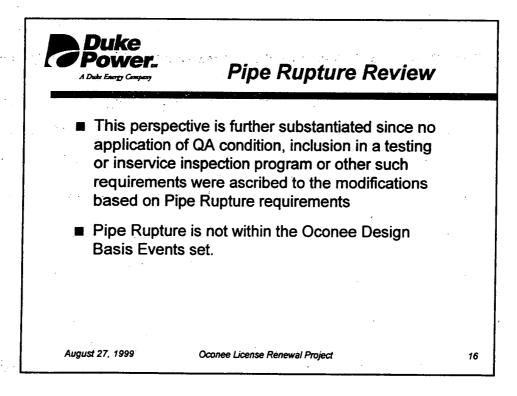
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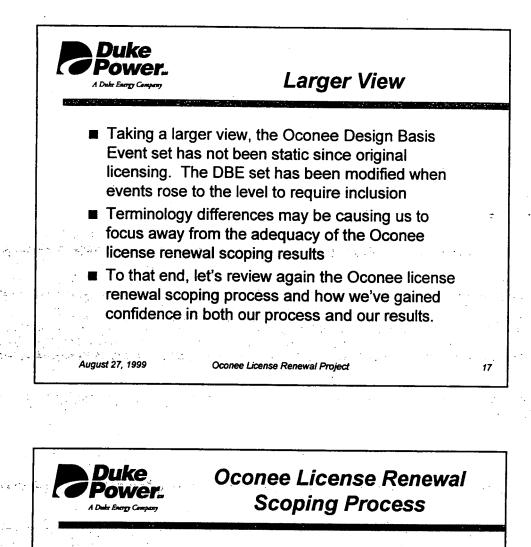


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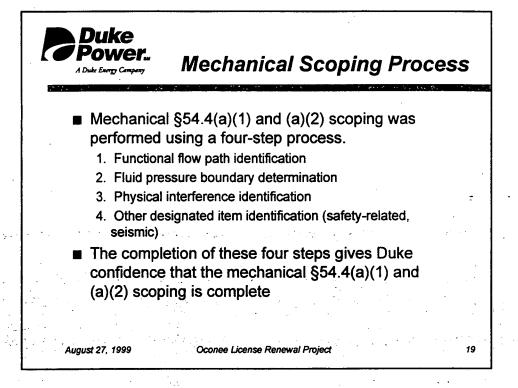


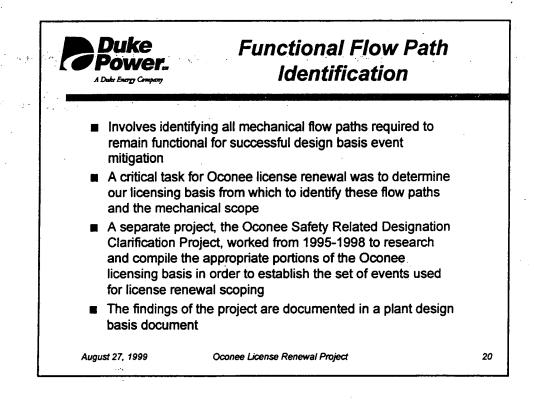
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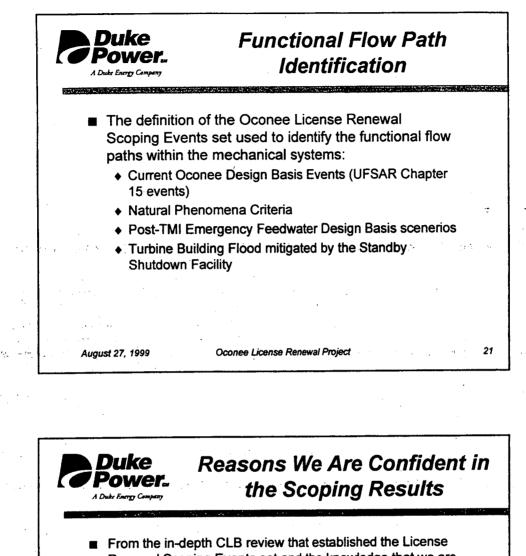
August 27, 1999

Oconee License Renewal Project

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- From the in-depth CLB review that established the License Renewal Scoping Events set and the knowledge that we are consistent with our CLB, we have confidence that our scoping process is being applied in accordance with the rule
   Overall, the depth of review in all discipline areas gives confidence in the comprehensiveness of structural,
  - mechanical and electrical results
     The scoping results for license renewal are consistent with previous scoping of regulated programs
  - Looking at the plant as a whole, the structures and systems not selected for license renewal are not associated with what we traditionally view as the important aspects of the plant

August 27, 1999

Oconee License Renewal Project

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# August 1999 Report Card

### Schedule Adherence

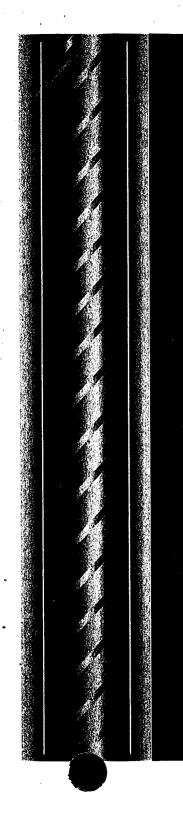
- On track
- Quality of Work
  - Good
- Communications
  - Good

- Accomplishments
  - NRC reaction to SER
     OI and CI responses
     submitted 8/12/99
  - UFSAR Supplement OI discussed on 8/20/99



see next slide





## Managing the End Game -Remaining Activities

#### Region I

- Scope of December inspection
- Recommendation Letter from Region I Director

#### Schedule Firming

- Final ACRS meeting
- Commission briefing/decision

#### UFSAR Supplement

Decision

#### **Documents**

- The renewed licenses drafts for comment
- SEIS BGE understands there are no issues.
- Closing the SER follow-up Items

CCNPP License Renewal Status Report to the USNRC 99-041



# **SER follow-up Items**

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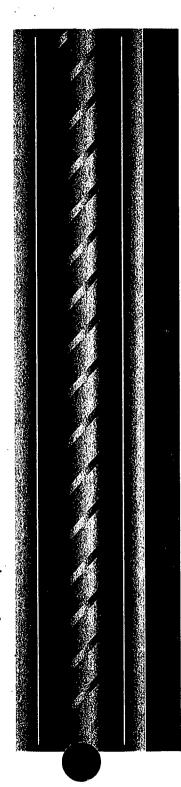
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CCNPP License Renewal Status Report to the USNRC 99-041





# SER follow-up Items (cont')

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# **Proposed Performance Indicators for September 1999**

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CCNPP License Renewal Status Report to the USNRC 99-041



# NRC Schedule for BGE Calvert Cliffs License Renewal Application

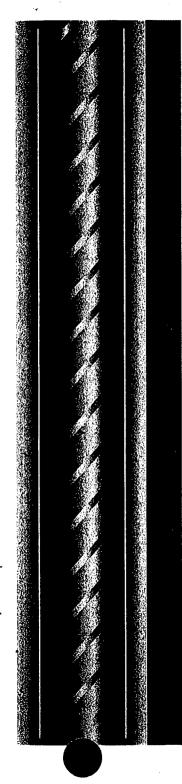
CCNPP License Renewal Status Report to the USNRC 99-041



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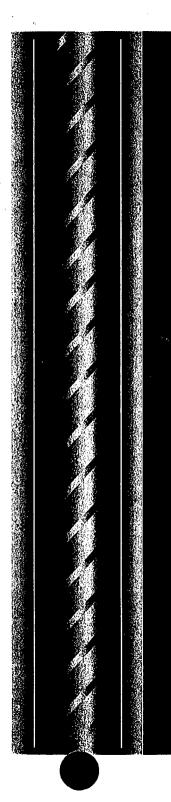




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### Oconee License Renewal Application Status Report to Duke Energy August 27, 1999

David Matthews, Director, Division of Regulatory Improvement Programs Chris Grimes, Branch Chief, License Renewal & Standardization Branch **Oconee Renewal Status** 

8/27/99

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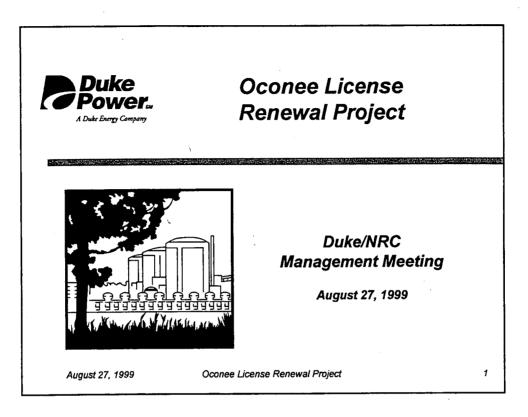
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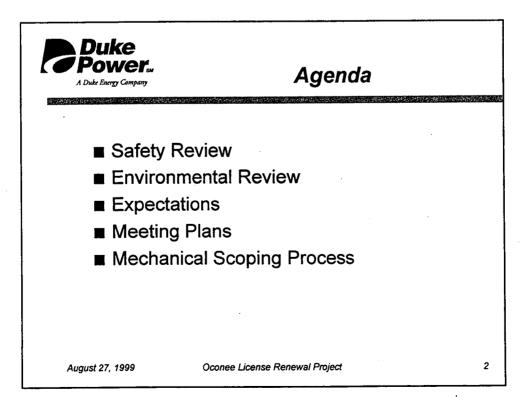
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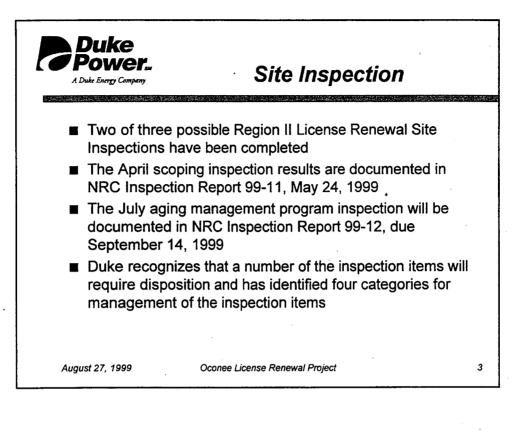
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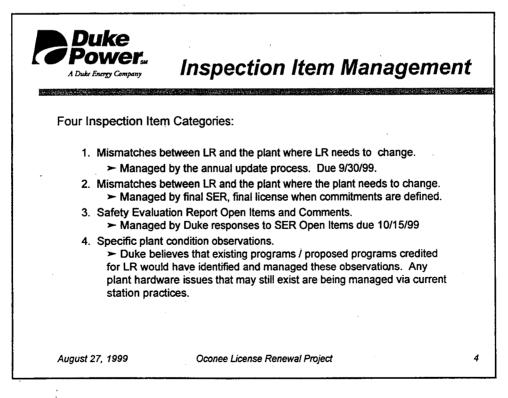
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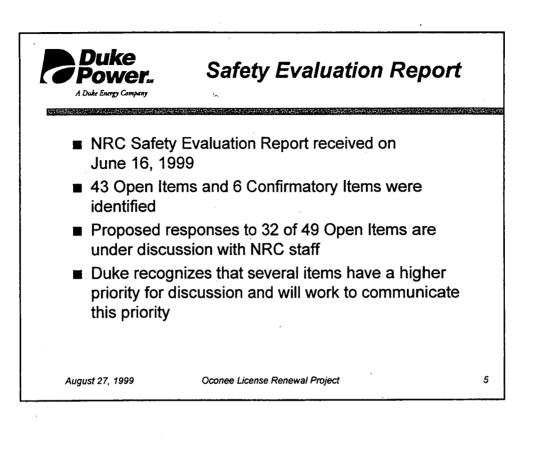
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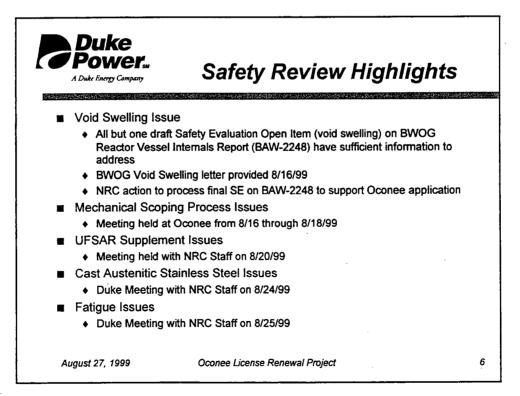


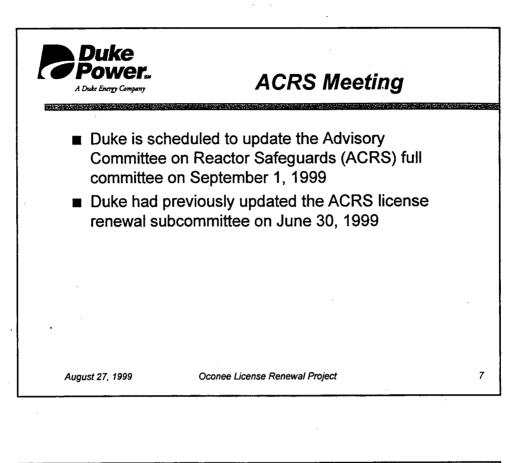


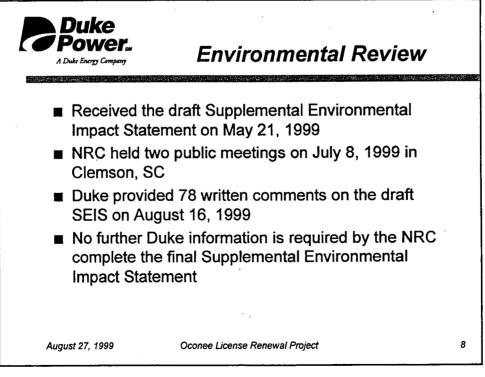


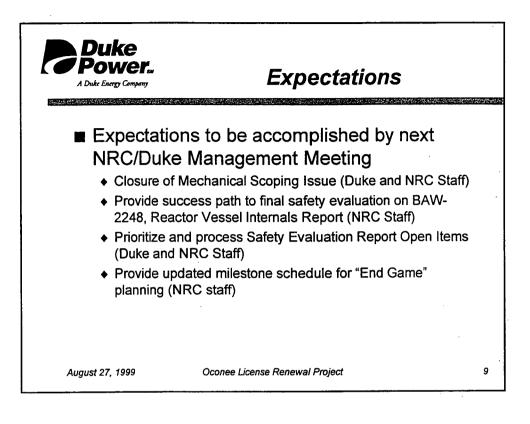


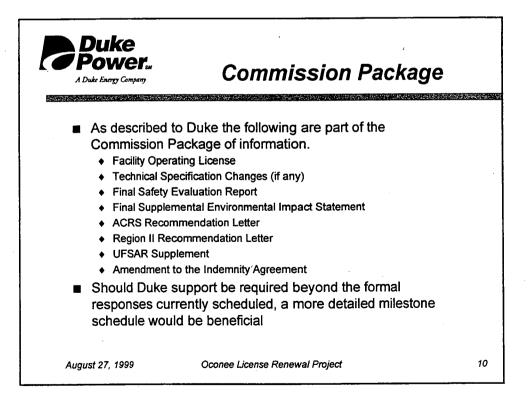


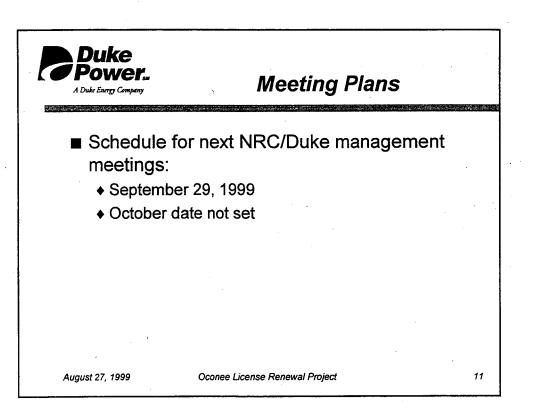


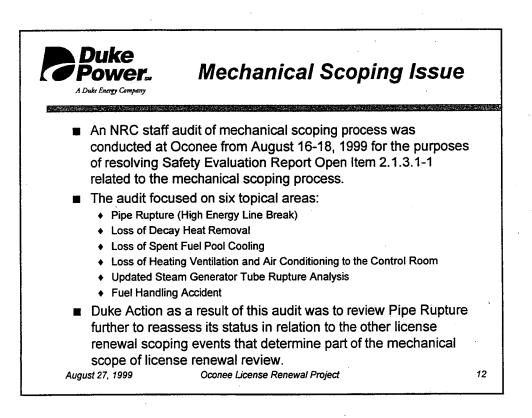


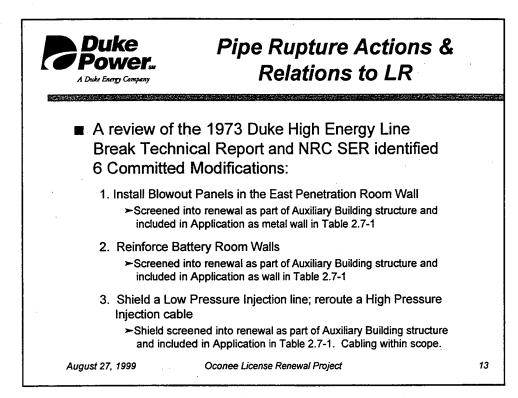


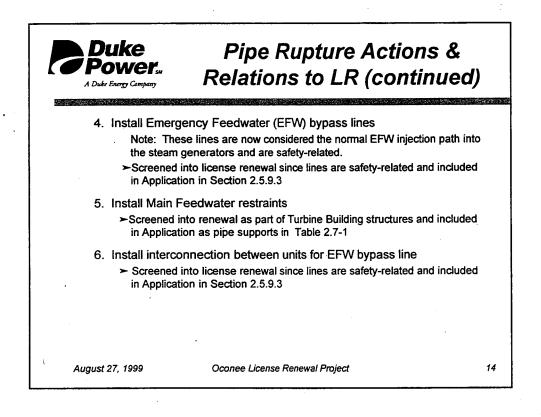


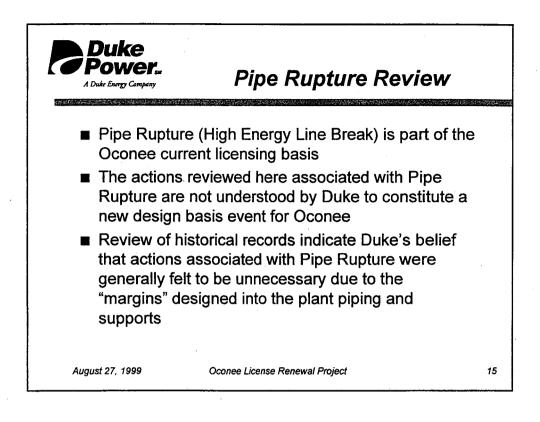


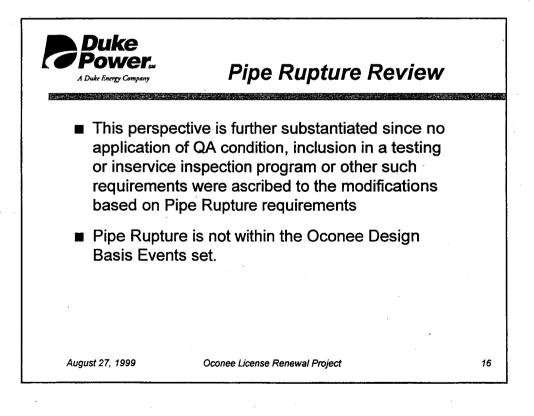


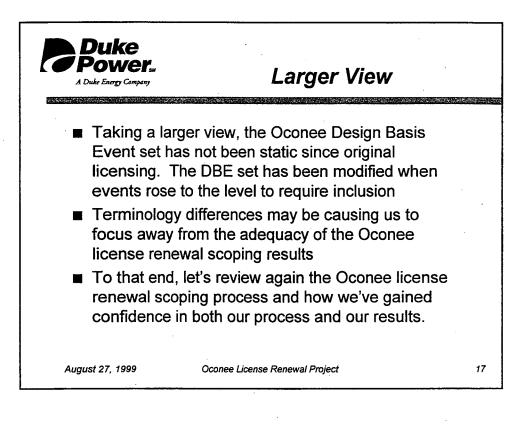


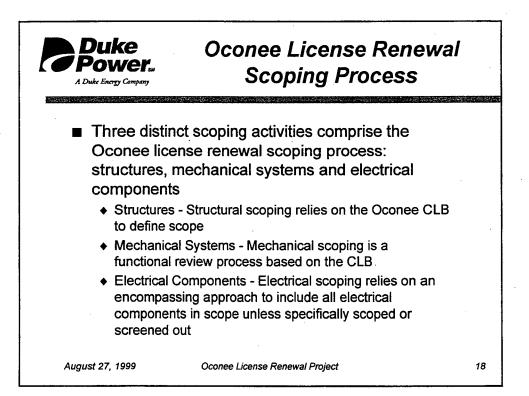


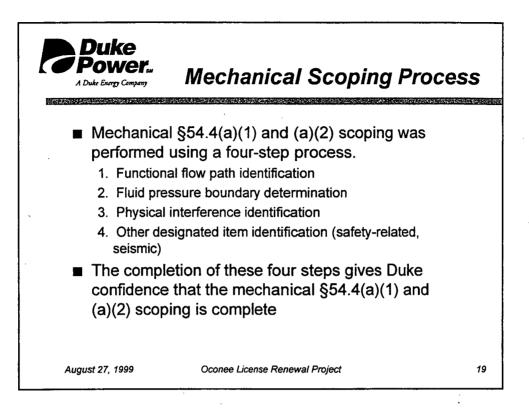


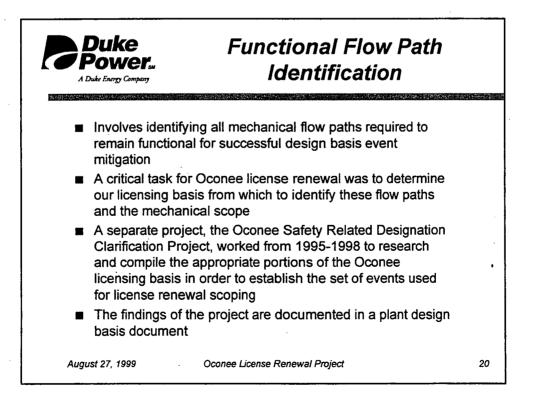


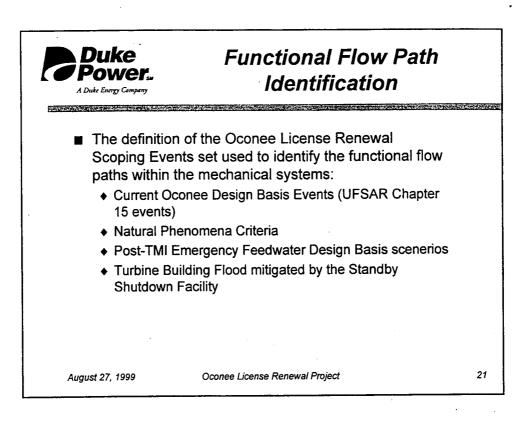


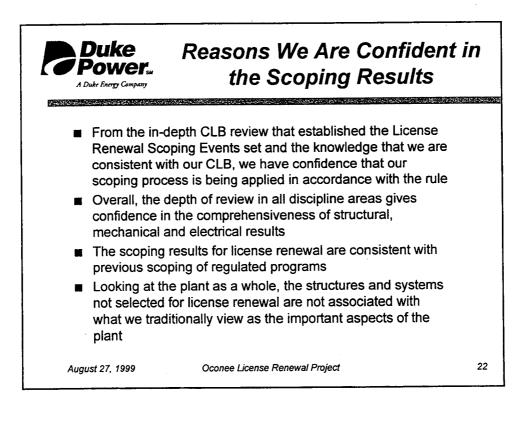












# Status Report on Baltimore Gas and Electric Company License Renewal Application Review

August 27, 1999 David Matthews, Director, Division of Regulatory Improvement Programs Chris Grimes, Branch Chief, License Renewal & Standardization Branch

## **Summary of LRA Review Activities**

## Safety Review

- Staff reviewed BGE open/confirmatory item responses
- August 12, 1999 letter to BGE with status regarding which open or confirmatory items require further interaction
- Staff reviewing LRA changes
- Staff reviewing comments from BGE regarding SER accuracy
- Staff is in process of revising SER
- FSER to be issued by November 16, 1999

# Summary of LRA Review Activities continued

## Resolution of open/confirmatory items

- August 20, 1999 staff held meeting with BGE on FSAR supplement open item
- Staff requested public meetings with BGE to discuss some responses (requested interaction on 8 of 48 items) including license renewal issues (scoping, CASS, complex assemblies, heat exchangers) and void swelling
- Staff has interacted with BGE to gain clarification regarding open item responses or changes to LRA
- More interaction should be expected to clarify BGE submittals
- Staff waiting for BGE submittal with additional clarification as the result of interactions

Summary of LRA Review Activities continued

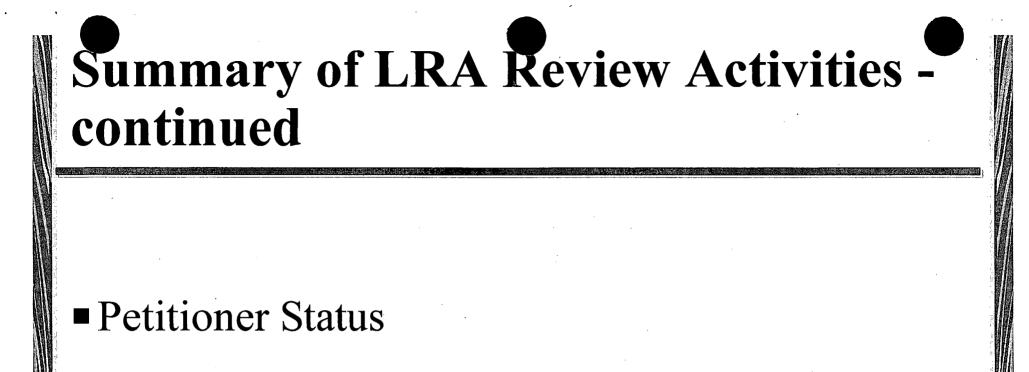
## Inspection Activities

- Discussed closeout actions to support Region 1 management input for recommendations on license renewal
- Additional inspection to be performed
- Coordinate with currently planned inspection activities occurring around end of 1999

# Summary of LRA Review Activities continued

### Environmental Review

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

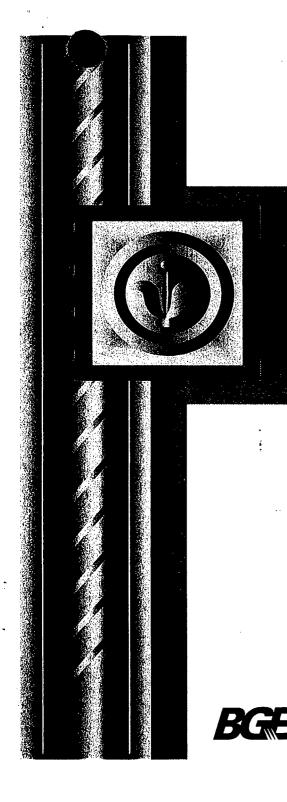


- All briefs filed, case ready for argument October 6, 1999



# August 1999 Calvert Cliffs LRA Report Card

#### August 27, 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.

uclear Services

August 27, 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 August 1999**

- NRC decision on acceptability of BGE's
   Open Item/Confirmatory Item responses
- Revised UFSAR Supplement sections submitted for three programs (now n/a)

NRC decision on a public meeting (now n/a)

## • August 1999 Report Card

#### Schedule Adherence

- On track
- Quality of Work
  - Good

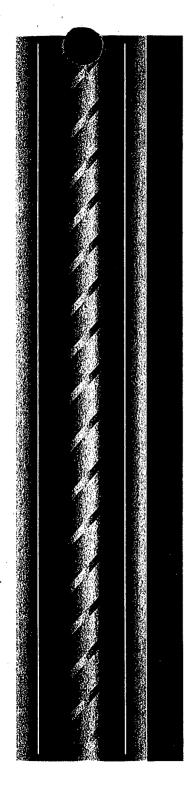
#### Communications

– Good

- Accomplishments
  - NRC reaction to SER
     OI and CI responses
     submitted 8/12/99
  - UFSAR Supplement OI discussed on 8/20/99

5

- Concerns
  - see next slide



## Managing the End Game -Remaining Activities

Region I

- Scope of December inspection
- Recommendation Letter from Region I Director
   <u>Schedule Firming</u>
- Final ACRS meeting
- Commission briefing/decision
- UFSAR Supplement
- Decision

**Documents** 

- The renewed licenses drafts for comment
- SEIS BGE understands there are no issues.
- Closing the SER follow-up Items

CCNPP License Renewal Status Report to the USNRC 99-041



#### **BGE** waiting

- How does the NRC position on scoping affect:
  - The heat exchange function (NRC's action)
  - Complex assemblies (NRC's action)

#### BGE working

- Does CVCS small bore piping ARDI bound RCS small bore piping for SCC?
- CEA shroud bolt confirmatory item
- SCC of RCS external surfaces

## SER follow-up Items (cont')

#### BGE writing

- How does the NRC-to-NEI letter on scoping affect:
  - SBO EDG Open Item
  - Open Item for ductwork that cools EQ components
- Commitment for QA program applicability to NSR SSCs.
- RV flange leak-off line
- What is an appropriate disposition for the Containment tendon TLAA?
- *New item* void swelling of RVI

# Proposed Performance Indicators for September 1999

#### Final Schedule Published

- Draft license review
- Region I inspection
- ACRS meeting
- Region I Director recommendation
- Commission decision

## All Open and Confirmatory Items resolved, or escalated

- Items from NRC's 8/12/99 letter
- UFSAR Supplement Policy Decision resolved

CCNPP License Renewal Status Report to the USNRC 99-041

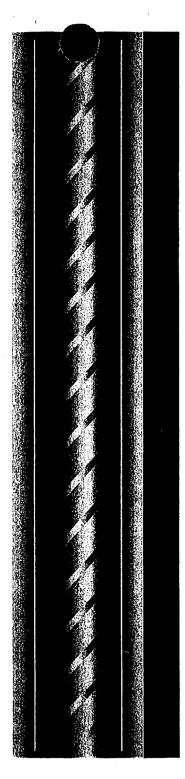
### NRC Schedule for BGE Calvert Cliffs License Renewal Application

## 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 August 27, 1999

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

#### **Schedule Adherence**

- Comment period on draft SEIS ended 8/16/99
- Duke to complete responses to SER open items by 10/15/99
- Final SEIS and SER to be issued by 2/12/2000

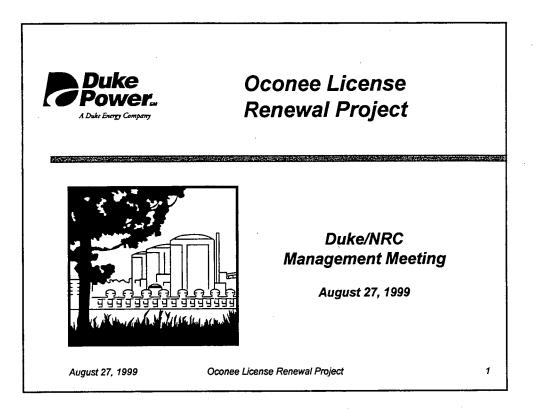
#### Accomplishments

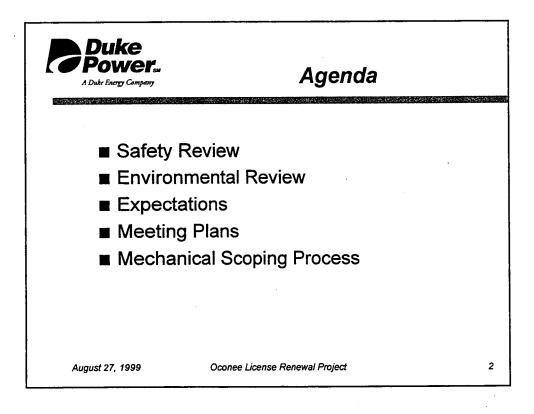
- Communications continue to be good
  - Scoping meeting held at the site from 8/16 thru 8/18
  - FSAR meeting held on 8/20
  - Cast Austenitic Stainless Steel (CASS) meeting held on 8/24 — resolution path identified
  - Fatigue meeting held on 8/25
- Duke has provided responses for 27 out of 43 SER issues
- Region-based inspection status
  - Second regional based inspection report due to be issued by 9/14/99

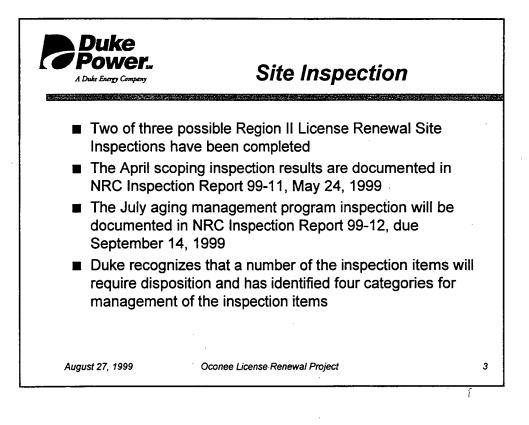
#### Concerns

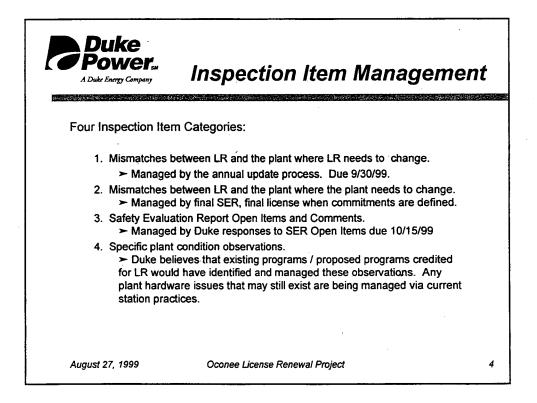
- Tracking status of 43 open items and 6 confirmatory items
  - Duke providing responses
  - Duke requested to provide priority for feedback from staff
- 10 CFR Part 54 Scoping Issue
  - Duke requested to provide feedback to staff on "Design Basis Events" used for scoping
- Resolution of BAW-2248 (Reactor Vessel Internals) issues

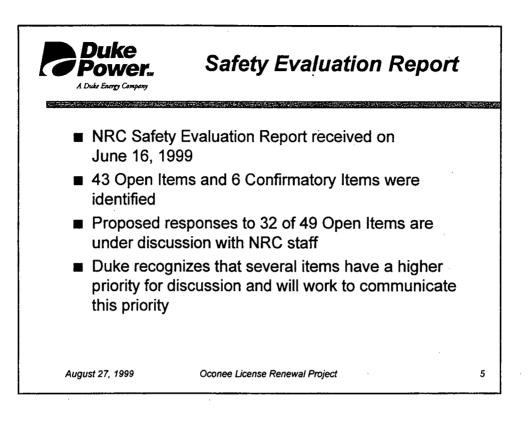
- Fatigue related issues
- FSAR open item
- Complex Assemblies

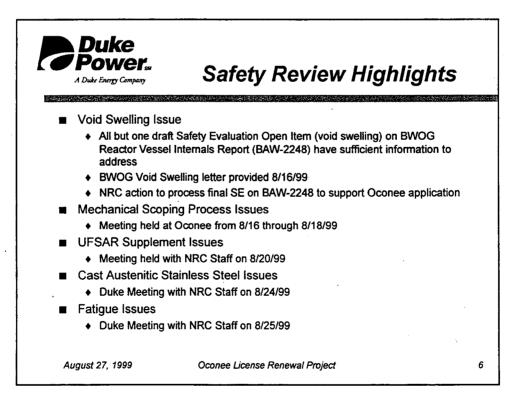


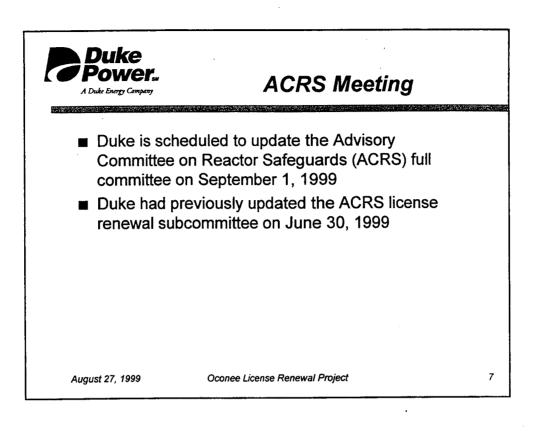


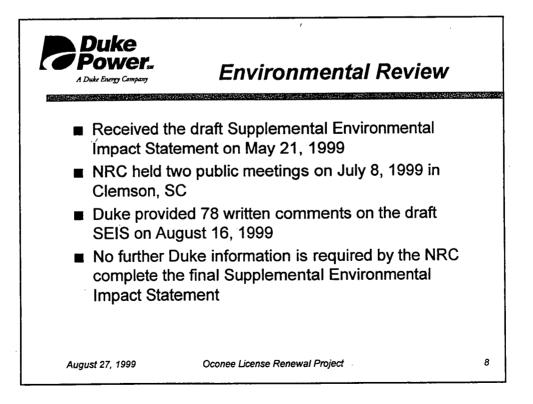


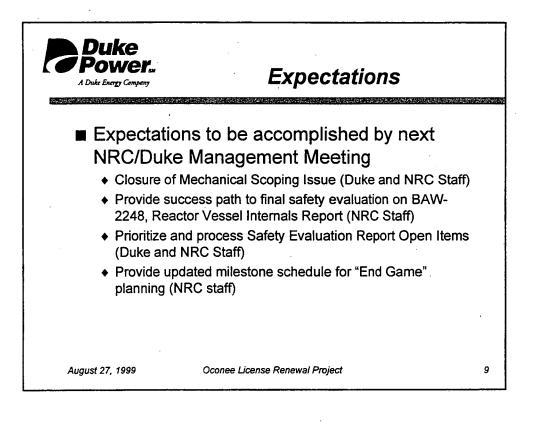


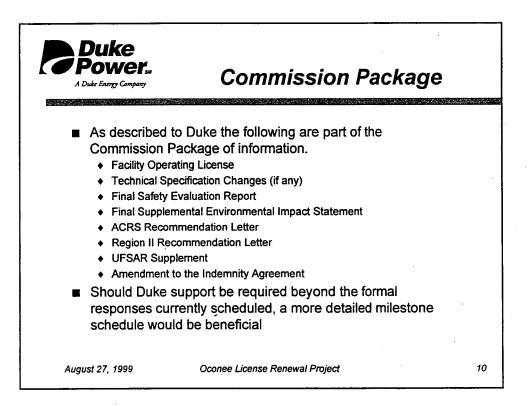


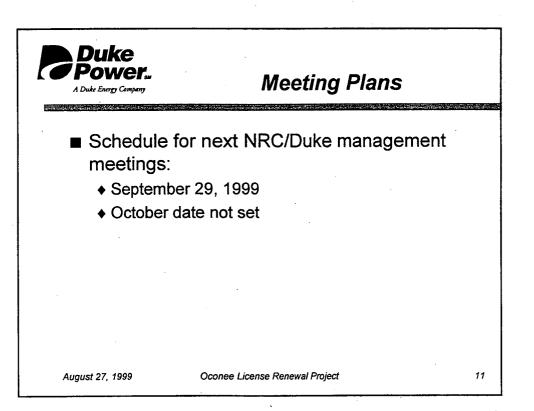


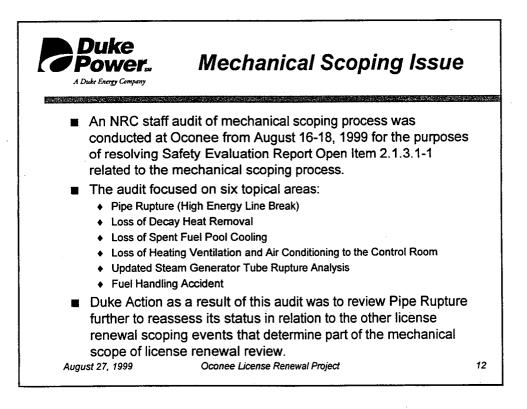


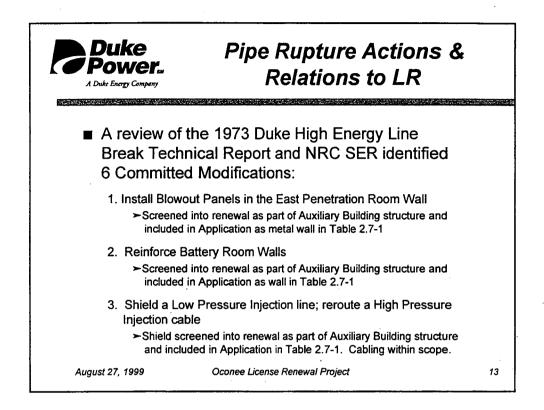


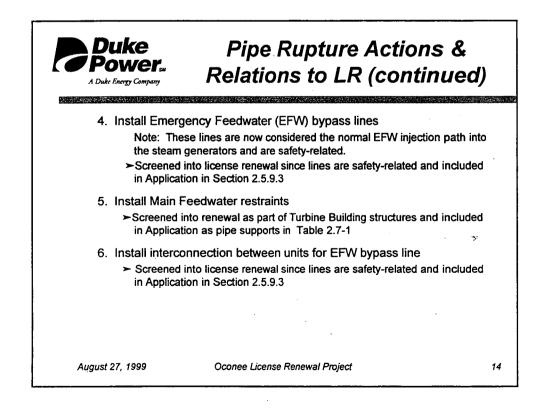


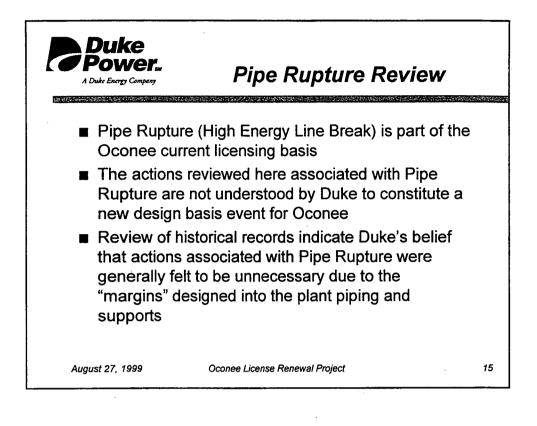


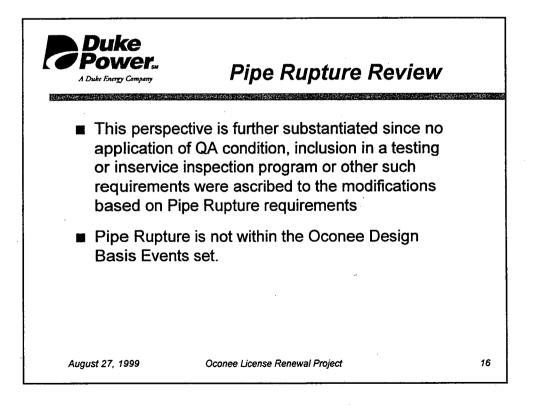


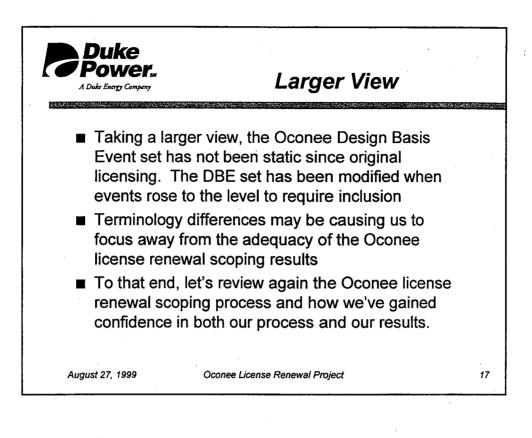


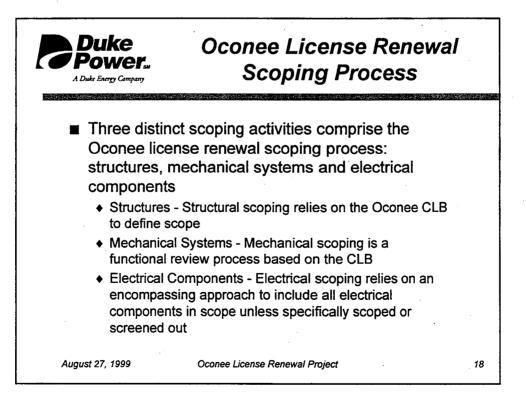


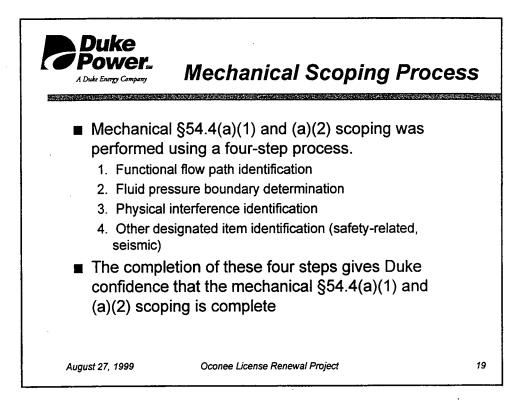


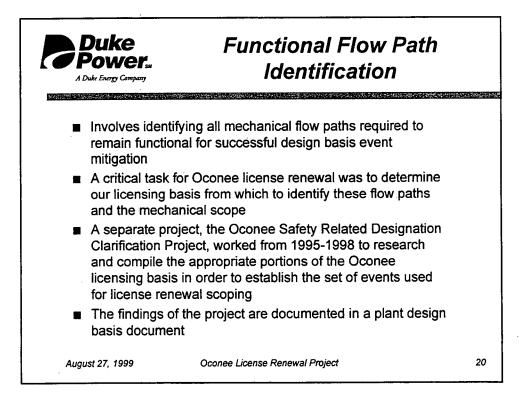


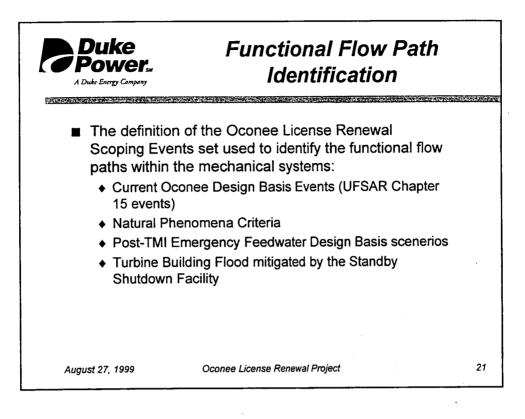


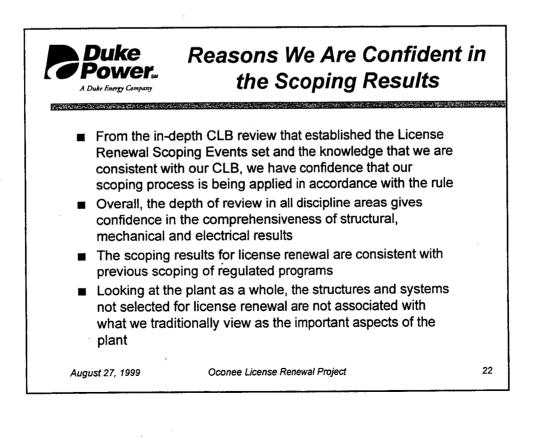














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