



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

October 17, 2000

ORGANIZATIONS: Nuclear Energy Institute (NEI), Entergy Operations, Inc. (Entergy), and Southern Nuclear Operating Company (SNC)

SUBJECT: SUMMARY OF LICENSE RENEWAL MEETING BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION (NRC) AND THE NEI LICENSE RENEWAL WORKING GROUP; ENTERGY FOR ARKANSAS NUCLEAR ONE, UNIT 1 (ANO-1); AND SNC FOR HATCH NUCLEAR PLANT, UNITS 1 AND 2 (HATCH)

A joint meeting was held on September 26, 2000, to discuss generic renewal activities and the status of license renewal applications under review by the NRC. The meeting began with discussions between the NRC's License Renewal Steering Committee (LRSC) and NEI's License Renewal Working Group on the general status of license renewal applications and generic license renewal activities. The meeting continued with discussions between NRC management and Entergy and SNC regarding the reviews of the ANO-1 and Hatch license renewal applications, respectively. Attendees at the meeting are listed in Attachment 1. Following is a summary of the discussions at the meeting:

NRC LRSC - NEI Working Group

The agenda for this portion of the meeting is provided in Attachment 2.

1.a & 1.b. Status of applications: ANO-1 and Hatch

Entergy and SNC provided summaries of the ANO-1 and Hatch license renewal application reviews, which were subsequently discussed in more detail during the management portion of the meeting (see summaries below). Communications continue to be good and the reviews of both applications are on or ahead of schedule.

1.c. Turkey Point

Florida Power and Light submitted a license renewal application for Turkey Point, Units 3 and 4, on September 11, 2000. The staff is currently performing its acceptance review for docketing which is scheduled to be completed by October 10, 2000.

2. License renewal interest

a. Updated interest report

Attachment 3 is the NRC's latest list of publicly announced plans by licensees to submit license renewal applications. The staff and NEI agreed that the industry survey that NEI provided at the last meeting and that NEI was considering updating was not needed in light of the staff's plans to issue a Regulatory Information Summary for license renewal.

b. Regulatory Information Survey (RIS) status

Because of the significant resources involved in the review of a license renewal application, the staff is preparing a RIS to inform licensees of the importance to the NRC's planning and budgeting process of early notification regarding planned submittal dates for license renewal applications. The RIS will also inform the licensees of the means by which sensitive business information can be kept confidential.

3. New lessons learned from application reviews (topics from last meeting)

a. Categorization of RAIs

At the last meeting on July 20, 2000, NEI had proposed an activity to assist in improving the request for additional information (RAI) process by reviewing and categorizing the RAIs issued to ANO-1, Hatch, and Oconee. The industry has established seven categories which it will provide to the staff. The current schedule is for industry to complete the categorization and for NEI to provide it to the staff before the next meeting. The results of the review can then be used to better understand the validity and effectiveness of the RAIs developed by the staff and its contractors and better focus the RAI process and achieve efficiencies for the future.

b. Standard format improvements

NEI stated that they will provide any suggestions regarding changes to the standard format for renewal applications as part of its comments on the standard review plan and regulatory guide for license renewal.

4. License renewal implementation guidance development

a. Improved renewal guidance issued for public comment

The NRC issued for public comment on August 31, 2000, draft improved license renewal implementation guidance consisting of a Generic Aging Lessons Learned report, Standard Review Plan for License Renewal, and a Regulatory Guide for License Renewal that proposes to endorse an industry implementation guideline (NEI 95-10). The schedule for completing development of the improved license renewal guidance is contained in Attachment 4.

b. September 25, 2000, workshop

A public workshop to discuss the improved license renewal guidance documents was held on September 25, 2000. Feedback obtained from the workshop will be useful for preparing plans for responding to expected comments, revising the guidance, and presenting the revised guidance to the Commission for approval.

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c. Improved renewal guidance status

The staff is preparing a detailed schedule of the activities required to complete the issuance of the improved renewal guidance and to provide the Commission with recommendations regarding the need for future license renewal rulemaking. NEI stated that they will submit comments on the guidance documents by October 16, 2000, which is the closing date of the public comment period. In response to a request from NEI, the staff agreed to include in the schedule, public meetings with NEI and any other interested stakeholders to discuss resolution of comments and revision of the documents prior to publishing the final documents.

ANO-1 Renewal Application

The NRC staff and Entergy noted the accomplishments for the review of the ANO-1 license renewal application. The staff and the applicant have met or exceeded all scheduled milestones to date for the review of the application. The staff's presentation materials are contained in Attachment 5 and Entergy's in Attachment 6.

The staff noted that since the last management meeting on July 20, 2000, the applicant has provided responses for all staff RAIs for the safety and environmental reviews. Two milestones will come due prior to the next management meeting, the draft environmental impact statement (EIS) is scheduled to be released no later than December 5, 2000, and the scoping inspection is scheduled to take place during the week of December 11, 2000. It was noted, however, that the draft EIS is currently in final concurrence and is expected to be issued ahead of schedule. As a result of the expected early release of the draft EIS, the staff is currently planning the second public meeting relating to the EIS on November 14, 2000, in Russelville, Arkansas. It was also noted that a third milestone, issuance of the Safety Evaluation Report with open items, may be completed prior to the next meeting. This milestone is currently scheduled for January 10, 2000.

Entergy provided a similar summary. They were pleased with the progress being made on the review of the ANO-1 application and the level of communication between the NRC and their staff. They also discussed their willingness to continue to work with the staff on potential open items relating to the safety evaluation.

Hatch Renewal Application

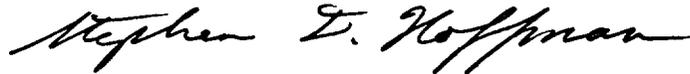
The staff and SNC noted the accomplishments over the last 2 months for the review of the Hatch license renewal application. The staff's presentation materials are contained in Attachment 7 and SNC's in Attachment 8. The staff and SNC have met or exceeded all scheduling milestones to date for the review of the application. Both the staff and SNC characterized the interactions for the period as good and that issues were identified early and addressed aggressively.

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The staff noted that since the last management meeting on July 20, 2000, two milestones had been completed; the safety review RAIs had been provided to SNC on July 28, 2000, and SNC had provided responses to the environmental RAIs on August 31, 2000. Other accomplishments during the period included a meeting on August 23, 2000, to review the environmental qualification calculations, and performance of the scoping inspection at SNC headquarter on September 11-15, 2000.

Upcoming activities and milestones include the exit meeting for the scoping inspection (October 5, 2000), a site visit (October 11, 2000), responses from SNC to the safety review RAIs (October 11, 2000), and the issuance of the scoping inspection report (October 31, 2000).

The next combined meeting involving the LRSC, NEI Working Group, NRC staff, and the applicants will be scheduled in November 2000.



Stephen T. Hoffman, Senior Project Manager
License Renewal and Standardization Branch
Division of Regulatory Improvement Programs
Office of Nuclear Reactor Regulation

Attachments: As stated

cc w/atts: See next page

Project No. 690 (NEI)

Docket Nos. 50-313 (Entergy); 50-321 and 50-366 (SNC)

October 17, 2000

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/RA/

Stephen T. Hoffman, Senior Project Manager
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cc w/attns: See next page

Project No. 690

Docket Nos. 50-313 (Entergy); 50-321 and 50-366 (SNC)

DOCUMENT NAME: G:\RLSB\HOFFMAN\Mtg9-26.wpd

OFFICE	LA	RLSB	RLSB
NAME	EHyton	SHoffman	WBurton
DATE	10/6/00	10/5/00	10/1/00
RLSB	RLSB:BC	DRIP:D	DD:NRR
RPrato	CGrimes	DMatthews	RZimmerman
10/11/00	10/12/00	10/13/00	10/17/00

OFFICIAL RECORD COPY

Project No. 690

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ATTENDANCE LIST
NRC, NEI, & APPLICANT LICENSE RENEWAL MEETING
SEPTEMBER 26, 2000

<u>NAME</u>	<u>ORGANIZATION</u>
1. Steve Hoffman	NRC/NRR/DRIP/RLSB
2. Dick Wessman	NRC/NRR/DE
3. Charles Ader	NRC/NRR/DRIP
4. Christopher Grimes	NRC/NRR/DRIP/RLSB
5. Brian Sheron	NRC/NRR/ADPT
6. Roy Zimmerman	NRC/NRR
7. Lewis Sumner	SNC
8. Randy Hutchinson	Entergy
9. Mike Tuckman	Duke
10. Leslie Hartz	Dominion
11. Doug Walters	NEI
12. Liz Thompson	FPL
13. Janice Moore	NRC/OGC
14. Michael Mayfield	NRC/RES
15. Wan C. Liu	NRC/NRR/DRIP/RLSB
16. Hai-Boh Wang	NRC/NRR/DRIP/RLSB
17. Bob Prato	NRC/NRR/DRIP/RLSB
18. Rani Franovich	NRC/NRR/DRIP/RLSB
19. Stephen Koenick	NRC/NRR/DRIP/RLSB
20. Jim Strnisha	NRC/NRR/DRIP/RLSB
21. Yung Y. Liu	ANL
22. Omesh Chopra	ANL
23. Shiu-Wing Tam	ANL
24. Brent Shelton	ANL
25. R. R. Fabian	Argonne National Laboratory
26. David Ma	Argonne National Laboratory
27. E. Kleeh	NRC/NRR/DRIP/RLSB
28. P. J. Kang	NRC/NRR/DRIP/RLSB
29. Natalie Mosher	Entergy
30. Melinda Malloy	NRC/NRR/DRIP/RGEB
31. Sam Lee	NRC/NRR/DRIP/RLSB
32. Antonio G. Menocal	FPL
33. Kathryn M. Sutton	Winston & Strawn
34. C. R. Pierce	SNC
35. Roger Newton	WEPCO

- | | |
|-------------------------|--------------------------|
| 36. Al Paglia | SCE&G |
| 37. W. M. Burton | NRC/NRR/DRIP/RLSB |
| 38. Charles Willbanks | NUS Information Services |
| 39. Tamara Bloomer | NRC/NMSS/EDWM/HLWD |
| 40. Lynn Connor | Self |
| 41. Jerry Dozier | NRC/NRR/DRIP/RLSB |
| 42. Dwight Chamberlain☎ | NRC/Region IV |
| 43. Caudle Julian☎ | NRC/Region II |

☎ By telephone

AGENDA

NRC LICENSE RENEWAL STEERING COMMITTEE MEETING WITH THE NEI LICENSE RENEWAL WORKING GROUP SEPTEMBER 26, 2000

1. Status of applications 1:00 - 1:20 pm
 - a. Arkansas Nuclear One, Unit 1
 - b. Hatch
 - c. Turkey Point

2. License renewal interest 1:20 - 1:30 pm
 - a. Updated interest report
 - b. Regulatory Information Summary status

3. New lessons learned from application reviews (topics from last meeting) 1:30 - 1:40 pm
 - a. Categorization of RAIs
 - b. Standard format improvements

4. License renewal implementation guidance development 1:40 - 2:00 pm
 - a. Improved renewal guidance issued for public comment.
 - b. Sept. 25, 2000, workshop
 - c. Improved renewal guidance end-game plan status

Announced License Renewal Applications

ONGOING REVIEWS:

- Arkansas Nuclear One, Unit 1 - Application received February 1, 2000
- Edwin I. Hatch, Units 1 and 2 - Application received March 1, 2000
- Turkey Point, Units 3 and 4 - Application received September 11, 2000

PLANTS WITH ANNOUNCED APPLICATION TARGET DATES:

- *Catawba, Units 1 and 2 - June 2001 (submittal date based on granted exemptions)*
- *McGuire Units, 1 and 2 - June 2001 (submittal date based on granted exemptions)*
- *Peach Bottom, Units 2 and 3 - July 2001*
- *North Anna, Units 1 and 2 - August 2001*
- *Surry, Units 1 and 2 - August 2001*
- *Fort Calhoun 1 - March 2002*
- *St. Lucie, Units 1 and 2 - June 2002 (Unit 2 requires exemption)*
- *Point Beach, Units 1 and 2 - July 2002*
- *V.C. Summer - August 2002*
- *H. B. Robinson, Unit 2 - December 2002*
- *Farley, Units 1 and 2 - June 2003*
- *Arkansas Nuclear One, Unit 2 - September 2003*
- *Browns Ferry, Units 2 and 3 - December 2003*
- *Cooper - 2003*
- *Brunswick, Units 1 and 2 - December 2004*
- *Beaver Valley, Units 1 and 2 - 2004 (Unit 2 requires exemption)*
- *Pilgrim, Unit 1 - 2004*

SCHEDULE

- 10/99 ✓ Meeting with NEI to plan initial workshop
- 12/99 ✓ Workshop on GALL and SRP outline
- 3/00 ✓ NEI provide aging/program information input to GALL
- 6/00 ✓ NEI provide revised NEI 95-10
- 8/00 ✓ Issue draft GALL, SRP, and RG/NEI 95-10 for public comment
- 9/00 ✓ Public meeting and workshop to gather public comments
- 10/00 NEI revise NEI 95-10
- 11/00 Commission briefing on public comments on draft GALL, SRP, and RG/NEI 95-10
- 2/01 ACRS meeting on GALL, SRP, and RG/NEI 95-10
- 3/01 Commission approval of GALL and SRP
- 4/01 NEI comments on need for rulemaking
- 5/01 Public meeting to discuss need for rulemaking
- 7/01 Staff recommendation to Commission on rulemaking

ANO-1 RENEWAL STATUS- Schedule

Milestones Completed

- | | | |
|--|---------|----------|
| • Received LRA | 2/01/00 | Complete |
| • Acceptance review complete, LRA docketed | 3/01/00 | Complete |
| • All Environmental RAIs provided to Entergy | 6/26/00 | Complete |
| • All Safety Review RAIs provided to Entergy | 6/29/00 | Complete |
| • Entergy responses to Environmental RAIs | 8/18/00 | Complete |
| • Entergy response to Safety Review RAIs | 9/12/00 | Complete |

Next Milestones

- | | | |
|-----------------------------|----------|---------|
| • Scoping Inspection | 12/01/00 | Working |
| • Draft EIS | 12/05/00 | Working |
| • Draft SER with Open Items | 01/10/01 | Working |

ANO-1 RENEWAL STATUS - Accomplishments

- Received LRA 2/1/00
- Acceptance review complete, LRA docketed 2/28/00
- No filing for hearing or petition for intervention 3/31/00
- EQ meeting 5/23/00
- Scoping Audit 5/25/00
- All Environmental RAIs provided to Entergy 6/05/00
- All Safety Review RAIs provided to Entergy 6/12/00
- All Environmental responses received from Entergy 7/31/00
- All Safety RAI responses received from Entergy 9/12/00

ANO-1 RENEWAL STATUS - Other Activities

- All RAI responses received and entered into database
- SER style guide has been issued
- Draft SER with open items is under development
- Communication between staff and applicant relating to open items are ongoing

ANO-1 License Renewal

Entergy and NRC Management Meeting

September 26, 2000



ANO-1 License Renewal Status

Environmental Report (ER) Review Status

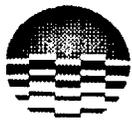
- *NRC provided RAIs on the Environmental Report ahead of schedule and Entergy provided responses to the RAIs ahead of schedule.*
- *Entergy provided additional information to NRC concerning reforestation project and potential new archeological sites on September 21st*
- *Second set of Environmental Report Public Meetings in Russellville tentatively scheduled for November 14th*
- *Both the NRC and Entergy continue to complete the Environmental Report milestone actions ahead of schedule*



ANO-1 License Renewal Status

LRA Review Status

- *Seven NRC Letters contained a total of 262 RAIs*
 - *April 17, 2000 - 20 RAIs on scoping, AMRs, and EQ*
 - *April 25, 2000 - 31 RAIs on RV, OTSG, TLAA, and EQ*
 - *May 2, 2000 - 29 RAIs on mech. & structural scoping*
 - *May 5, 2000 - 53 RAIs on scoping, AMRs, TLAA, prog.*
 - *June 1, 2000 - 60 RAIs on RCS, ESF, and structures*
 - *June 9, 2000 - 61 RAIs on aux. sys. and programs*
 - *June 23, 2000 - 8 RAIs on programs*



ANO-1 License Renewal Status

LRA Review Status *(cont.)*

- *Response Efforts for RAIs has included:*
 - *May meetings in Rockville and at ANO on EQ RAIs and on scoping*
 - *NRR Project Manager visits to ANO on July 13th, August 10th, and August 16th-17th to discuss RAIs + several conference calls during the May through September period*
 - *A high level of communication between the NRC staff and the Entergy staff existed during this period*



ANO-1 License Renewal Status

LRA Review Status *(cont.)*

- *Response Efforts for RAIs has included:*
 - *Entergy completed responding to all the RAIs in the following series of letters:*
 - *July 6th - EQ RAIs*
 - *July 13th - Electrical RAIs*
 - *August 24th - Reactor Vessel and Internals RAIs*
 - *August 30th - Scoping RAIs*
 - *September 6th - Reactor Coolant System RAIs*
 - *September 7th - Structural RAIs*
 - *September 12th - Aging Management Review RAIs*



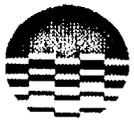
ANO-1 License Renewal Status

LRA Review Status *(cont.)*

- *The NRC completed the RAI milestone ahead of the June 29, 2000 schedule*
- *Entergy completed the RAI response milestone and met the September 12, 2000 schedule*

Summary

- *All ANO-1 license renewal activities are currently on or ahead of schedule*
- *Communications continue to be frequent and effective (especially site visits by PM)*
- *Significant activities currently underway include support for the draft SEIS public meeting and for the NRC's preparation of the SER*
- *No significant problems identified with the review process at this time*



HATCH LICENSE RENEWAL STATUS - SCHEDULE

Milestones Completed

Received LRA	3/1/00	Complete
Acceptance Review Complete, LRA Docketed	3/24/00	Complete
Environmental Scoping Meeting	5/10/00	Complete
Environmental RAIs to Southern Co.	6/23/00	Complete
Safety Review RAIs to Southern Co.	7/28/00	Complete
Southern Co. Responds to Environmental RAIs	8/31/00	Complete

HATCH LICENSE RENEWAL STATUS - SCHEDULE

Next Milestones

Southern Co. Responds to Safety Review RAIs	10/11/00	Working
Scoping Inspection Completed	12/29/00	Working - (Inspection Performed 9/15/00)
Draft EIS	01/05/01	Working
SER with Open Items	02/08/01	Working

HATCH LICENSE RENEWAL STATUS - ACCOMPLISHMENTS

Received LRA	3/1/00
Acceptance Review Complete, LRA Docketed	3/24/00
No Filing for Hearing or Petition to Intervene	5/3/00
Environmental Scoping Meeting	5/10/00
Scoping and Screening Audit	6/15/00
All Environmental RAIs to Southern Co.	6/23/00
Safety Review RAIs to Southern Co.	7/28/00
Southern Co. Responds to Environmental RAIs	8/31/00
Scoping Inspection	9/15/00

License Renewal Status Report

Lewis Sumner - Vice President, Hatch
Chuck Pierce - License Renewal Manager
Ray Baker - Hatch Project Manager

September 26, 2000



Objectives

- ◆ Brief NRC management on progress of license renewal application review.
- ◆ Establish performance standards for next two months.

September 2000 Report

- ◆ **Schedule Adherence**
 - Environmental - on schedule
 - Technical - on schedule
- ◆ **Communications**
 - Open and clear
- ◆ **Consistency**
 - RAI categorization will address general consistency issue w/staff. Significant issues will be brought to the steering committee.
- ◆ **Concerns**
 - None
- ◆ **Major Accomplishments**
 - NRC issued all technical RAIs (7/28)
 - SNC responded to environmental RAIs (8/16)
 - NRC responded to public comments during environmental scoping (8/23)
 - NRC held public meeting with SNC on EQ calculations (8/23)*
 - SNC responded to scoping RAIs (8/29)
 - NRC issued Hatch's inspection plan (8/29)
 - NRC initiated informal consultation with National Marine Fisheries (8/31)
 - Region II conducted scoping and screening inspection (9/11-15)*
- ◆ **Other Notable Issues**
 - SNC plans to submit its annual update by December 15th.

Performance Expectations Identified at July 20th Meeting

- ◆ **All technical RAIs issued - July 28th**
The NRC issued 424 RAIs in two letters - July 14th and July 28th.
- ◆ **Environmental SAMA RAIs answered - July 29th**
SNC responded to the SAMA RAIs on July 26th.
- ◆ **All environmental RAIs answered by SNC - August 15th (Schedule is August 22nd)**
SNC responded to all environmental RAIs on August 16th. As a result of NRC questions on the responses, SNC provided additional clarifications on August 28th.
- ◆ **Region II scoping inspection underway - September 15 (Schedule is October 31th)**
The NRC Region II scoping inspection was completed on September 15th.

All Performance Expectations Continue to Be Met

Results of Meeting with NRC on EQ Calculations



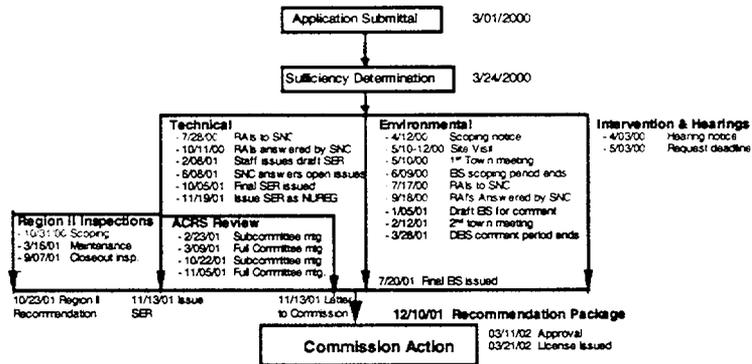
- ◆ NRC was generally satisfied with Hatch's EQ calculation revisions for license renewal
- ◆ NRC requested and SNC agreed to provide more details regarding our EQ calculations in response to the current RAIs

Results of NRC Region II Scoping Inspection



- ◆ NRC Region II inspection concluded that scoping and screening was well-documented and thorough and met the rule requirements
- ◆ Following issues are being addressed:
 - Clarify scoping documentation for a few components.
 - Scope of fire protection program.

License Renewal Schedule



Performance Expectation Recommendations for Late November

- ◆ NRC Region II to hold public meeting on results of scoping inspection - October 5
- ◆ SNC to provide responses to all technical RAIs - October 11
- ◆ NRC Region II to conduct site inspections of selected inaccessible areas - October 31