

AGENDA
NRC LICENSE RENEWAL STEERING COMMITTEE MEETING
WITH NEI AND THE LICENSE RENEWAL APPLICANTS
July 23, 2002
(Times are approximate)

I. Meeting Between the NRC License Renewal Steering Committee and NEI License Renewal Working Group

A. Status of applications		1:00-1:30 p.m.												
	<table border="0"> <tr> <td style="width: 45%;">(1) Surry 1 & 2 and North Anna 1 & 2</td> <td>Virginia Elec. & Power</td> </tr> <tr> <td>(2) McGuire 1 & 2 and Catawba 1 & 2</td> <td>Duke Energy</td> </tr> <tr> <td>(3) Peach Bottom 2 & 3</td> <td>Exelon</td> </tr> <tr> <td>(4) St. Lucie 1 & 2</td> <td>Florida Power & Light</td> </tr> <tr> <td>(5) Fort Calhoun</td> <td>Omaha Public Power District</td> </tr> <tr> <td>(6) H. B. Robinson 2</td> <td>Carolina Power and Light</td> </tr> </table>	(1) Surry 1 & 2 and North Anna 1 & 2	Virginia Elec. & Power	(2) McGuire 1 & 2 and Catawba 1 & 2	Duke Energy	(3) Peach Bottom 2 & 3	Exelon	(4) St. Lucie 1 & 2	Florida Power & Light	(5) Fort Calhoun	Omaha Public Power District	(6) H. B. Robinson 2	Carolina Power and Light	
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(3) Peach Bottom 2 & 3	Exelon													
(4) St. Lucie 1 & 2	Florida Power & Light													
(5) Fort Calhoun	Omaha Public Power District													
(6) H. B. Robinson 2	Carolina Power and Light													
B. License renewal interest	NRC	1:30-1:35 p.m.												
C. License renewal guidance development	NEI/NRC	1:35-1:50 p.m.												
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(2) Station blackout scoping														
D. Lessons learned from application reviews	NRC/NEI	1:50-2:10 p.m.												
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(1) Fort Calhoun lessons learned														
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(3) Appeal process														
E. Public participation	Members of the public	2:10-2:25 p.m.												
F. Summary	NRC	2:25-2:30 p.m.												
<hr/> Break		2:30- 2:45 p.m.												

II. Meeting Between NRC Management and License Renewal Applicants

A. Status of applications		2:45-3:45 p.m.										
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(2) McGuire 1 & 2 and Catawba 1 & 2	Duke Energy / NRC											
(3) Peach Bottom 2 & 3	Exelon / NRC											
(4) St. Lucie 1 & 2	Florida Power & Light / NRC											
(5) Fort Calhoun	Omaha Public Power District/NRC											
B. Public Participation	Members of the public	3:45-4:00 p.m.										
C. Adjourn		4:00 p.m.										

LICENSE RENEWAL INTEREST

Interest Chart

Unique Applications

Different designs at single site and 20 year exemption requests

Millstone Units 2 & 3

Nine Mile Point Units 1 & 2

Browns Ferry Unit 1

Projected Schedule of License Renewal Applications Through FY05

Slot	Plant	Submit	FY 01				FY 02				FY 03				FY 04				FY 05			
			1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
FY01																						
1	North Anna1,2	May-01																				
2	Surry1,2	May-01																				
3	Catawba1,2	Jun-01																				
4	McGuire1,2	Jun-01																				
5	Peach Bottom2,3	Jul-01																				
FY02																						
1	StLucie1,2	Nov-01																				
2	Fort Calhoun	Jan-02																				
3	Robinson 2	Jun-02																				
4	GINNA	Jul-02																				
5	Summer	Aug-02																				
FY03																						
1	Dresden2,3	Jan-03																				
2	Quad Cities1,2	Jan-03																				
3	Unannounced	3Q-4Q																				
4	Farley1,2	Sep-03																				
5	ANO-2	Sep-03																				
FY04																						
1	Nine Mile Point1,2	Oct-03																				
2	D.C. Cook1,2	Nov-03																				
3	Browns Ferry2,3	Dec-03																				
4	Brunswick1,2	2Q																				
5	Millstone2,3	Jan-04																				
6	Beaver Valley1,2	Sep-04																				
FY05																						
1	Unannounced	Oct-04																				
2	Davis-Besse	Dec-04																				
3	Pilgrim 1	Dec-04																				
4	Susquehanna1,2	2Q																				
5	Unannounced	2Q																				

Assumptions

1. Schedules Based on 25-month review without hearing.
2. Submittal dates based on fiscal year quarterly basis.

Border Fill Codes

- Reviews Completed for Application
- Reviews are Ongoing or Application Anticipated for Submittal

LICENSE RENEWAL GUIDANCE DEVELOPMENT

Environmentally assisted fatigue

Station blackout scoping

LESSONS LEARNED FROM APPLICATION REVIEWS

Fort Calhoun Lessons Learned

Lessons include Fort Calhoun review as well as earlier demonstration project

Will issue interim staff guidance (ISG) summarizing lessons learned

Agenda item at fall workshop (October 2002)

Interim Staff Guidance (ISG) Process

Identify issue

Develop ISG with stakeholder involvement

CRGR review when guidance documents updated

Appeal Process

**NORTH ANNA UNITS 1 AND 2
SURRY UNITS 1 AND 2
LICENSE RENEWAL REVIEW STATUS**

RECENT ACCOMPLISHMENTS

Received responses to safety requests for additional information (RAIs)	2/5/02
Scoping inspection	2/8/02
Issued draft supplemental environmental impact statement (SEIS) (Surry & North Anna)	4/3/02 and 4/23/02
Completed aging management review (AMR) inspection (Surry & North Anna)	5/17/02
Public meeting on Surry and North Anna draft SEISs	5/29/02 and 6/25/02
Issued safety evaluation report (SER) with open items	6/6/02
Advisory Committee on Reactor Safeguards (ACRS) subcommittee meeting on SER with open items	7/9/02

**NORTH ANNA UNITS 1 AND 2
SURRY UNITS 1 AND 2
LICENSE RENEWAL REVIEW STATUS**

FUTURE ACTIVITIES

Receive responses to SER open items	8/22/02
Issue SER	11/5/02
Complete final inspection	11/29/02
ACRS full committee meeting on SER	12/5/02
ACRS recommendation letter	12/13/02
Issue Surry and North Anna final SEISs	12/13/02
Staff recommendation on renewed license	3/29/03
License renewal decision	7/4/03

**MCGUIRE, UNITS 1 AND 2
CATAWBA, UNITS 1 AND 2
LICENSE RENEWAL STATUS**

RECENT ACCOMPLISHMENTS

Contentions admitted to hearing by Atomic Safety & Licensing Board (ASLB)	1/24/02
Staff appeal of ASLB decision on admissible contentions issued	2/4/02
Commission accepted certified contention on terrorism for review	2/6/02
Completed scoping inspection	3/22/02
ASLB ruling on MOX reversed by Commission	4/12/02
Safety RAI responses received	4/15/02
Draft SEISs for McGuire and Catawba issued	5/6/02 and 5/13/02
Public Meetings to discuss McGuire and Catawba draft SEISs	6/12/02 and 6/27/02

**MCGUIRE, UNITS 1 AND 2
CATAWBA, UNITS 1 AND 2
LICENSE RENEWAL STATUS**

FUTURE ACTIVITIES

Complete AMR inspections	7/26/02
Issue SER with open items	8/12/02
ACRS subcommittee meeting on SER with open items	10/2/02
ACRS full committee on SER with open items	10/9/02
Receive responses to SER with open items	10/25/02
Complete final inspection	11/29/02
Issue SER	1/6/03
Issue McGuire and Catawba final SEISs	1/17/03

**PEACH BOTTOM, UNITS 2 AND 3
LICENSE RENEWAL STATUS**

RECENT ACCOMPLISHMENTS

Environmental RAIs issued	12/20/01
Environmental RAI responses received	1/30/02
Safety RAIs issued	3/12/02
Scoping inspection completed	5/31/02
Safety RAI responses received	5/22/02
Draft SEIS issued	7/5/02

**PEACH BOTTOM, UNITS 2 AND 3
LICENSE RENEWAL STATUS**

FUTURE ACTIVITIES

Public meeting to discuss draft SEIS	7/31/02
Complete AMR inspection	8/9/02
Issue SER with open items	9/16/02
ACRS subcommittee on SER with open items	10/30/02
ACRS full committee on SER with open items	11/7/02
Receive responses to SER open items	11/29/02
Complete final inspection	1/2/03
Issue SER	2/6/03
Issue final SEIS	2/7/03

**ST. LUCIE NUCLEAR PLANT, UNITS 1 AND 2
LICENSE RENEWAL STATUS**

RECENT ACCOMPLISHMENTS

Environmental scoping meeting	4/3/02
Scoping and screening methodology audit completed	4/18/02
Environmental RAIs issued	5/7/02
Environmental RAI responses received	6/25/02

**ST. LUCIE NUCLEAR PLANT, UNITS 1 AND 2
LICENSE RENEWAL STATUS**

FUTURE ACTIVITIES

Issue safety RAIs	7/29/02
Receive safety RAI responses	10/11/02
Complete scoping inspection	11/8/02
Issue draft SEIS	12/9/02
Public meeting on draft SEIS	1/7/03
Complete AMR inspection	1/31/03
Issue SER with open items	2/7/03
ACRS subcommittee on SER with open items	3/19/03
ACRS full committee on SER with open items	3/21/03
Complete final inspection	6/2/03
Issue final SEIS	6/30/03

**FORT CALHOUN STATION, UNIT 1
LICENSE RENEWAL STATUS**

RECENT ACCOMPLISHMENTS

Deadline for hearing requests and petitions to intervene	5/22/02
Environmental scoping meeting	6/18/02
SEIS scoping period ended	7/10/02
Scoping and screening methodology audit	7/11/02

**FORT CALHOUN STATION, UNIT 1
LICENSE RENEWAL STATUS**

FUTURE ACTIVITIES

Issue environmental RAIs	8/2/02
Receive environmental RAI responses	9/27/02
Issue safety RAIs	10/11/02
Complete scoping inspection	11/8/02
Receive safety RAI responses	12/20/02
Issue draft SEIS	1/17/03
Complete AMR inspection	1/24/03
Public meeting on draft SEIS	2/26/03
Issue SER with open items	4/21/03



Dominion

*North Anna and Surry Power Stations
License Renewal Status*

July 23, 2002

Rev.07/10/02

1



Dominion

**July 2002
LR Status Update**

Introduction

- Timely resolution of issues has continued to improve the schedule
- Ongoing open communications with NRC safety and environmental project managers

2

Dominion LRA Review Schedule

Review Schedule Status - Completed Activities

Milestone	Target Date	Actual Date
Receive SPS and NAPS LRAs	06/28/01	06/28/01
FRN Published for LRA Receipt	08/28/01	08/28/01
FRN Published for Hearing Opportunity	07/27/01	07/27/001
Deadline for filing hearing requests	08/27/01	08/27/01
Environmental scoping meeting (Surry)	09/18/01	09/18/01
Environmental scoping meeting (North Anna)	10/18/01	10/18/01
NRC issues Env. RAIs (Surry)	11/08/01	11/08/01
NRC issues Safety RAIs	11/28/01	11/28/01
NRC issues Env. RAIs (North Anna)	12/07/01	12/07/01
Dominion Responds to Env. RAIs (Surry)	12/21/01	12/10/01
Dominion Responds to Env. RAIs (North Anna)	01/21/02	12/10/01

3

Dominion LRA Review Schedule

Review Schedule Status - Completed Activities

Milestone	Target Date	Actual Date
Dominion Responds to Safety RAIs	02/08/02	02/08/02
Scoping Inspections Complete	02/15/02	02/15/02
Draft SEIS to EPA (Surry)	04/28/02	4/3/02
Draft SEIS to EPA (North Anna)	05/17/02	4/23/02
AMR Inspections Complete	05/31/02	5/17/02
Public Meeting to Discuss DEIS (Surry)	06/08/02	5/28/02
SER w/OI issued by NRC	06/10/02	6/8/02
Public Meeting to Discuss DEIS (North Anna)	06/27/02	6/26/02
End of DEIS Comment Period (Surry)	07/18/02	7/12/02
ACRS Subcommittee review of SER OI	07/24/02	7/8/02

4

Dominion LRA Review Schedule

Review Schedule Status - Future Activities

Milestone	Target Date	Actual Date	Revised Date
End of DEIS Comment Period (North Anna)	08/08/02	8/1/02	
Responses to SER OI Received	08/22/02		
ACRS full committee review of SER OI	08/04/02		08/12/02*
SER issued by RLSB	11/08/02		
Optional Final Inspection complete	11/29/02		
ACRS full committee review of SER	12/04/02		12/08/02*
Final SEIS issued to EPA (Surry)	12/13/02		
Final SEIS issued to EPA (North Anna)	12/13/02		
ACRS Letter	12/20/02		12/13/02*
Regional Administrator's Letter	01/20/03		
SER issued as NUREG	01/28/03		
Commission Paper w/Staff Recommendations	03/14/03		03/29/02*
Commission Decision	06/27/03		07/04/02*

* Revised

5

Completed Activities Since Last Meeting

- Region II Plant AMA Inspections Completed
 - North Anna 4/29 - 5/3
 - Surry 5/13 - 5/17
- Draft Environmental Impact Statement (DEIS) issued
 - Surry 4/26/02
 - North Anna 5/17/02
- Public meetings held to discuss DEIS:
 - Surry 5/29/02
 - North Anna 6/25/02

6

Completed Activities Since Last Meeting

- **Region II Plant AMA Inspection Report Issued**
 Surry and North Anna 6/14/02
- **SER with Open Items issued by NRC 6/6/02**
 - **8 Open Items and 15 Confirmatory Actions**
 - **Draft responses accepted by NRC Project Manager**
 - **Response to Open Items and disposition of Confirmatory
 Actions submitted to NRC in the week of 7/22/02**
- **ACRS Subcommittee review of SER with OI
 completed on July 9,2002**

7

Issues

- **NRC Staff Changes**
 - **Safety Project Manager**
 - **Environmental Project Manager**
- **SER Open Items**
 - **2 expected and previously discussed**
 - **6 newly identified**
- **Feedback from ACRS Meeting**

8

Near-Term Future Activities

- * Issue NRC Final SER for Surry & North Anna (08/15/02)
- * Conduct ACRS Full Committee Meeting (09/12/02)
- * Complete Optional Final Region II Inspection (Sept. 2002)

9

Closing Remarks

Final SER

ACRS Letter

Regional Administrator
Letter

Final SEIS



**Commission
Decision**

10



McGuire - Catawba License Renewal

**Duke/NRC Management
Meeting
July 23, 2002**



Previous Expectations

- Expectations to be accomplished by next NRC/Duke Management Meeting (July timeframe)
 - *Duke to complete responses to safety RAIs and submit to NRC by agreed upon date*
Responses submitted 4/15/02
 - *NRC Staff to issue draft Supplement Environmental Impact Statements and conduct successful public meetings*
Both SEISs issued ahead of schedule
Four successful meetings held
 - *Duke to work with NRC Region II to prepare for aging management review inspections in July*
Final week of AMR inspection ongoing

July 23, 2002

Duke Nuclear License Renewal Project

2



Safety Review

- Duke responses to the 273 RAIs submitted April 15, 2002 with additional follow-up on June 26, 2002
- Application Annual Update submitted June 25, 2002
- NRC potential open item (POI) letter with 29 open items and 10 confirmatory items received June 26, 2002
- Duke POI responses provided on July 9, 2002
- Safety Evaluation with Open Items due August 12, 2002
- Open communications continue to advance the application review

July 23, 2002

Duke Nuclear License Renewal Project

3



Inspections

- Region II inspections are being conducted in support of Application review
- Scoping and screening inspection was completed March 22nd
- Aging Management Review inspection
 - Week of July 8th at McGuire
 - Week of July 22nd at Catawba
- Public exit is scheduled for July 26th
- An optional third inspection would occur this fall

July 23, 2002

Duke Nuclear License Renewal Project

4



Environmental Review

McGuire

- Draft McGuire Supplemental Environmental Impact Statement (SEIS) issued May 6, 2002
- McGuire public meetings completed May 12, 2002
- Written comments on the McGuire SEIS (due August 2) will be provided as scheduled

Catawba

- Draft Catawba Supplemental Environmental Impact Statement (SEIS) issued May 13, 2002
- McGuire public meetings completed May 27, 2002
- Written comments on the Catawba SEIS (due August 9) will be provided as scheduled

July 23, 2002

Duke Nuclear License Renewal Project

5



Hearing Process

- Work continues on the remaining contention related to Severe Accident Mitigation Alternatives
- Most recent teleconference among all participants with the aim of assuring continued progress was held July 10th
- Next call is scheduled for July 29th
- Additional actions to address the SAMA contention will be defined following the call

July 23, 2002

Duke Nuclear License Renewal Project

6



Expectations

- Expectations to be accomplished by next NRC/Duke Management Meeting (October timeframe)
 - *Duke and NRC Staff to seek the most efficient means of communication to resolve any Safety Evaluation Report open items*
 - *Duke and NRC Staff to complete successful meetings with the Advisory Committee on Reactor Safeguards*

July 23, 2002

Duke Nuclear License Renewal Project

7

Peach Bottom Atomic Power Station

Exelon and NRC Management Meeting

James Meister

Fred Polaski

July 23, 2002

1

Peach Bottom LRA Review Schedule

<u>Milestone</u>	<u>Target Date</u>	<u>Actual Date</u>
Receive Peach Bottom LRA	07/02/01	07/02/01
FRN Published for LRA Receipt	08/01/01	07/25/01
FRN Published for Hearing Opportunity	08/31/01	08/31/01
Deadline for filing hearing requests	10/01/01	10/01/01
Environmental Scoping Meeting	11/07/01	11/07/01
NRC Issues Env. RAIs	12/28/01	12/20/01
Exelon Responds to Env. RAIs	02/26/02	01/30/02
NRC Issues Safety RAIs	03/12/02	03/12/02
Exelon Responds to Safety RAIs	05/27/02	05/22/02
Scoping Inspection Complete	06/24/02	4/24/02
Draft SEIS to EPA	07/05/02	6/24/02

2

Completed Activities

- April 24, 2002 – Scoping Inspection Exit Meeting
- April 29 through May 22, 2002 – Exelon
Transmitted 9 letters responding to RAIs on the Part 54 application

3

Future Activities

- July 31, 2002 – Public Meeting to Discuss Draft SEIS
- August 15, 2002 – Public Exit Meeting on the AMR Inspection
- September 16, 2002 – SER with Open Items Issued
- September 26, 2002 – End of Draft SEIS Comment Period
- October 30, 2002 – ACRS Subcommittee to Review SER with Open Items

4

Part 54 Project Performance

- **Schedule Adherence**
 - All dates met
- **Communications**
 - Good
- **Interactions between NRC/National Lab reviewers and Exelon**
 - Good

5

Part 51 Project Performance

- **Schedule Adherence**
 - All dates met
- **Communications**
 - Good
- **Interactions between NRC/National Lab reviewers and Exelon**
 - Good

6

Concerns

- Emerging industry issues are challenging the stability and predictability of the license renewal process

7

Summary

- Communications and interactions have been good. NRC Project Managers doing good job.
- License Renewal standardization and predictability has not been achieved.

8

FPL

LICENSE RENEWAL

TURKEY POINT AND ST. LUCIE PLANTS

FPL AND NRC MANAGEMENT MEETING

July 23, 2002

Enclosure 6

LICENSE RENEWAL

SUMMARY - TURKEY POINT

- On June 6, 2002, NRC issued renewed licenses for Turkey Point Units 3 and 4

LICENSE RENEWAL

FPL

COMPLETED ACTIVITIES - ST. LUCIE

- April 16-18, 2002 - NRC completed the onsite scoping and screening methodology audit
 - Two RAIs and one confirmatory item identified
- April 30, 2002 - Environmental scoping period ended
- May 7, 2002 - NRC issued environmental RAIs (9 total, all related to SAMAs) ahead of scheduled due date of May 19, 2002

LICENSE RENEWAL

FPL

COMPLETED ACTIVITIES - ST. LUCIE

- May 15-16 and June 10-11, 2002 - FPL/NRC meetings were conducted to review draft RAIs
- June 25, 2002 - FPL issued responses to environmental RAIs ahead of scheduled due date of July 19, 2002
- July 1, 2002 - NRC issued first two sets of formal RAIs (97 total)

LICENSE RENEWAL

FPL

UPCOMING ACTIVITIES - ST. LUCIE

- July 29, 2002 - NRC issues rest of safety RAIs
- August-September 2002 - FPL/NRC meetings to review draft RAI responses
- October 11, 2002 - FPL issues responses to safety RAIs
- October 21-25, 2002 - NRC Region II scoping and screening inspection
- December 9, 2002 - NRC issues draft SEIS

LICENSE RENEWAL

SUMMARY - ST. LUCIE

- All license renewal activities are on or ahead of schedule
- Frequent communications between FPL and NRC are occurring
- FPL will provide feedback on the St. Lucie safety RAIs at the next NRC Steering Committee Meeting



Fort Calhoun Station License Renewal

OPPD/NRC Management Meeting
July 23, 2002



Accomplishments

- Revised LRA linking Sections 2 and 3 submitted
- 25 month schedule issued
- Environmental Scoping Audit and Public Meetings
- Scoping and Screening Methodology Audit
- Provided initial responses to Safety RAIs



Safety Review

- Four sets of draft RAIs have been received by OPPD
 - Draft responses provided to three sets
- Excellent communication on draft RAIs have enabled agreement on RAI content and responses
- Position on ISG issues
- Will bin RAIs consistent with industry criteria

Enclosure 7



Environmental Review

- Excellent communication during scoping audit allowed closure of most issues
- Formal issue of RAI questions (primarily SAMA-related) probably this week



Expectations

- Expectations to be accomplished by next NRC/OPPD Management Meeting (October timeframe)
 - NRC Staff to issue Environmental and Safety RAIs
 - OPPD to respond to Environmental RAIs
 - OPPD to submit request for fee reduction based on generic benefit of SRP format review



Closing remarks

- OPPD will continue to work closely with NRC management to achieve the reduction of review time projected for an LRA using the SRP format
