

January 22, 2002

PARTICIPANTS: Virginia Electric Power Company  
Duke Energy Corporation  
Exelon Corporation  
Nuclear Energy Institute  
Nuclear Information and Resource Service

SUBJECT: MEETING SUMMARY FOR THE JANUARY 10, 2002, PUBLIC  
MEETING BETWEEN THE NRC AND THE NUCLEAR ENERGY  
INSTITUTE REGARDING THE SCOPE OF STATION BLACKOUT  
SPECIFIC TO LICENSE RENEWAL

On November 14, 2001, the NRC staff sent the Nuclear Energy Institute (NEI) and the Union of Concerned Scientists proposed staff guidance on scoping of equipment relied on to meet the requirements of the station blackout (SBO) rule. In response, NEI requested a meeting to discuss the position with the staff. On January 10, 2002, the staff met with the NEI in a public meeting on the scope of equipment relied on to meet the SBO rule that is within the scope of license renewal in accordance with 10 CFR Part 54. Attached are the agenda (Attachment 1), two handouts (Attachments 2 and 3) provided during the meeting, and the list of attendees (Attachment 4).

The meeting was conducted in accordance with the agenda provided in the meeting notice. The meeting began with a presentation from the staff (refer to Attachment 2). The staff briefly discussed SBO, its association to the license renewal rule, and the determining factors that should be used in determining the structures and components that need to be included within the scope of license renewal for SBO in accordance with 10 CFR 54.4(a)(3). NEI followed the staff and presented its position on the same issues (refer to Attachment 3).

After the presentations, an open discussion took place to identify the specific issue(s) that needs to be resolved. In general, these discussions centered on the structures and components that need to be included within the scope of license renewal. The group could not agree on inclusion of the restoration of offsite power as a means to recover from the SBO event. It was generally concluded that the defining question that needs to be answered is whether the scope of license renewal needs to include the structures and components from only one or all of these electrical sources as they apply to each power plant. The participants agreed that the following questions should be answered in order to define the scope of station blackout for the purpose of license renewal.

- In scoping for license renewal, does an applicant need to consider recovery (AC source) and/or restoration of off-site power equipment?
- What is the role of the coping assessment parameters and equipment in scoping for license renewal?
- What is a "preferred source," needed versus like power source? What is the CLB?
- How are durations defined relative to on-site and off-site AC sources? What is the CLB?

- What is the intended function(s) that needs to be maintained with regard to complying with the rule?
- What is the role of alternate AC sources in scoping for license renewal?

The staff and the industry agreed that additional dialogue needed to take place before this issue could be resolved. It was agreed upon that the staff and the industry need to answer these questions independently, take some additional time to further develop its positions, and then meet again in a public meeting to continue the discussion.

**/RA/**

Robert J. Prato, Project Manager  
License Renewal and Environmental Impacts  
Division of Regulatory Improvement Programs  
Office of Nuclear Reactor Regulation

Docket Nos. 50-280, 281, 338, 339, 413, 414, 369, 370, 277, and 278

Attachments: As stated

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- What is the intended function(s) that needs to be maintained with regard to complying with the rule?
- What is the role of alternate AC sources in scoping for license renewal?

The staff and the industry agreed that additional dialogue needed to take place before this issue could be resolved. It was agreed upon that the staff and the industry need to answer these questions independently, take some additional time to further develop its positions, and then meet again in a public meeting to continue the discussion.

**/RA/**

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Docket Nos. 50-280, 281, 338, 339, 413, 414, 369, 370, 277, and 278

Attachments: As stated

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**License Renewal Meeting**  
**Station Black Out**

January 10, 2002

**Agenda**

<b><u>Introductions</u></b>	All	10 min.
<b><u>10 CFR 50.63 and Its Application to 10 CFR Part 54</u></b>	NRC	20 min.
<b><u>Industry Generic Position</u></b>	NEI	20 min.
<b><u>Open Discussion</u></b>	All	90 min.
<b><u>License Renewal Class of 2001 Feedback</u></b>	VEPCO/Duke/Exelon	30 min.
<b><u>NRC Feedback</u></b>	NRC	20 min.
<b><u>Closing Remarks and Action Items</u></b>	All	20 min.

# LICENSE RENEWAL MEETING

## STATION BLACKOUT

### 10 CFR 50.63 AND ITS APPLICATION TO 10 CFR PART 54

Jim Lazevnick (NRC/NRR)

January 10, 2002

# 10 CFR 50.63 AND ITS APPLICATION TO 10 CFR PART 54

- 10 CFR 54.4(a)(3), REQUIREMENTS

"all systems, structures, and components relied on in safety analyses or plant evaluations to perform a function that demonstrates compliance with the Commission's regulations for.....station blackout (10 CFR 50.63)" be included within the scope of license renewal

- SBO RULE REQUIREMENTS

10 CFR 50.63(a)(1) requires SBO duration shall be based on following factors:

- (i) The redundancy of the onsite emergency ac power sources
- (ii) The reliability of the onsite emergency ac power sources
- (iii) The expected frequency of loss of offsite power
- (iv) The probable time needed to restore offsite power

# 10 CFR 50.63 AND ITS APPLICATION TO 10 CFR PART 54

- FOUR FACTORS UNDER 10 CFR 50.63(a)(1)  
CONSISTENT WITH OPERATIONAL  
EXPERIENCE (NUREG-1032)
  - Time to restore offsite power (hours)  
  
Median ----- 0.6  
90% Restored----- 3.0
  - Median emergency diesel repair time (hours) ---- 8.0
- FOUR FACTORS UNDER 10 CFR 50.63(a)(1)  
DEVELOPED INTO LICENSEE GUIDANCE FOR  
DETERMINING COPING DURATION
  - NRC Regulatory Guide 1.155
  - NUMARC 87-00

# 10 CFR 50.63 AND ITS APPLICATION TO 10 CFR PART 54

- ALL LICENSEES USED GUIDANCE IN RG 1.155 AND NUMARC 87-00 TO DETERMINE PLANT REQUIRED COPING DURATION
- CONCLUSION
  - Four factors under 10 CFR 50.63(a)(1) used in plant evaluations to demonstrate compliance with 10 CFR 50.63
  - The systems, structures and components included in the four factors meet the requirements of 10 CFR 54.4(a)(3) to be included within the scope of license renewal



01/10 /02 MEETING

TITLE: MEETING BETWEEN THE NRC AND THE NUCLEAR ENERGY INSTITUTE REGARDING THE SCOPE OF STATION BLACKOUT SPECIFIC TO LICENSE RENEWAL

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DATE: January 14, 2002

SUBJECT: MEETING SUMMARY FOR THE January 10, 2002, PUBLIC MEETING  
BETWEEN THE NRC AND THE NUCLEAR ENERGY INSTITUTE REGARDING  
THE SCOPE OF STATION BLACKOUT SPECIFIC TO LICENSE RENEWAL

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COMMITMENT FORM ATTACHED: **YES NO**

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