

October 11, 2002

APPLICANT: Carolina Power and Light Company

FACILITY: H. B. Robinson, Unit 2

SUBJECT: SUMMARY OF MEETING ON SEVERE ACCIDENT MANAGEMENT
ALTERNATIVES TO SUPPORT REVIEW OF LICENSE RENEWAL
APPLICATION OF H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT 2

On October 2, 2002, staff conducted a meeting with Carolina Power and Light Company (CP&L) to discuss the Severe Accident Management Alternatives (SAMA) submittal made as part of the license renewal application for H. B. Robinson Steam Electric Plant, Unit 2 (Robinson). The meeting was conducted at the Robinson plant because the documentation for the plant risk and SAMA analyses are available there. Enclosure 1 is the list of attendees. Staff opened the meeting by indicating that it wanted to concentrate on understanding:

1. The current Robinson risk profile and how it was developed and reviewed.
2. How the list of SAMAs was developed.
3. How external events were addressed.
4. How uncertainties were addressed.

CP&L agreed to provide probabilistic risk assessment (PRA) summary results based on the latest Robinson PRA. The staff asked about any efforts made by the applicant to identify SAMAs which might provide significant reductions in risk at a lower cost than the 270 SAMAs already evaluated in the Robinson submittal. The staff pointed out that SAMAs do not have to rely only on safety grade equipment. The staff indicated that information is needed about the three such potential SAMAS identified by the staff:

1. Automatic safety injection pump trip on low refueling water storage tank level to protect the pumps for being damaged if the tank empties before manual swap-over to recirculation can be implemented.
2. Portable battery chargers which could be used to recharge batteries in station blackout sequences (SBO).
3. A direct drive diesel-powered auxiliary feedwater pump that could provide another source of feedwater during SBO sequences.

Also, additional information and justification will be needed concerning the treatment of external events and the seal loss of coolant accident model used in the Robinson analysis.

Enclosure 2 contains the documents given to the staff during the meeting.

/RA/

Richard L. Emch, Jr., Senior Project Manager
Environmental Section
License Renewal and Environmental Impacts Program
Division of Regulatory Improvement Programs
Office of Nuclear Reactor Regulation

Docket No. 50-261

Enclosures: As Stated

cc w/encls: See next page

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Accession Package no.:

1. Note to Applicant w/Encl. 1& 2: **ML022910114**
2. Changes made to MOR97 to Produce MOR99: **ML022940141**
3. H. B. Robinson Probabilistic Safety Assessment Peer Review Report, Draft Report, Dated December 31, 2001: **ML022940150**
4. Package: **ML022910175**

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*See previous concurrence

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List of Attendees for SAMA Meeting on October 2, 2002, at the H. B. Robinson Plant

<u>Name</u>	<u>Organization</u>
Talmage Clements	CP&L
Roger Stewart	CP&L
Jon Cudworth	Tetra Tech NUS (CP&L Contractor)
Bruce Morgen	CP&L
Steven Laur	CP&L
Brad Dolan	CP&L
Rich Emch	NRC
Mark Rubin	NRC
Bob Palla	NRC
Jim Meyer	ISL (NRC Contractor)
Jan Kozyra	CP&L
Don MacLeod	Erin Engineering (CP&L Contractor)

Documents given to NRC during SAMA Meeting on October 2, 2002

1. List of changes made to MOR97 to produce MOR99 (most current Robinson PRA model)
2. Robinson Nuclear Plant Certification Summary (pages 1 & 2) dated 06/26/2002
3. Summary table indicating status of issues from Robinson Nuclear Plant PSA Peer Certification dated 09/02/2002
4. H. B. Robinson Probabilistic Safety Assessment Peer Review Report (Draft Report - 12/31/2001) (Cover Page, Pages 2-3, 4-1, 4-2, B-14, B-17, B-18, B-27, B-31, B-32, B-35, B-44 thru B-48, B-51 thru B-53, B-72, B-76 thru B-80, B-92 thru B-99, B-101 thru B-103, B-114, B-139 thru B-147, B-150, B-162, and B-168)

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