

June 14, 2002

MEMORANDUM TO: Thomas Koshy, Acting Chief, Section 2
Project Directorate II
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

FROM: John M. Goshen, Project Manager, Section 2/**RA**/
Project Directorate II
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

SUBJECT: SHEARON HARRIS NUCLEAR POWER PLANT, UNIT 1 - SUMMARY
OF MAY 23, 2002, CONFERENCE CALL REGARDING RESPONSE TO
NRC BULLETIN 2002-01 "REACTOR PRESSURE VESSEL HEAD
DEGRADATION AND REACTOR COOLANT PRESSURE BOUNDARY
INTEGRITY" (TAC NO. MB4549)

On May 23, 2002, the U.S. Nuclear Regulatory Commission staff conducted a conference call with Carolina Power & Light Company (CP&L) representatives to discuss the CP&L response dated April 2, 2002, to NRC Bulletin 2002-01 for the Shearon Harris Nuclear Power Plant. Attachment 1 is a list of participants. Attachment 2 is a summary of the discussion regarding the Shearon Harris Nuclear Power Plant response.

Based on the discussion, CP&L will submit a supplemental 15-day response by July 2, 2002.

Docket No. 50-400

Attachments: As stated

cc w/atts: See next page

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LIST OF PARTICIPANTS
NUCLEAR REGULATORY COMMISSION STAFF CONFERENCE CALL
WITH CAROLINA POWER & LIGHT COMPANY

MAY 23, 2002

NRC/NRR

J. Goshen
A. Lee

CP&L

Rick Garner, Licensing
Bob Panella, Engineering (Boron Corrosion Control Program Lead)
Fred Dean, Engineering (Performed the most recent RV Head inspections)
Dajun Song, Engineering (ISI)
Scott Larson, Engineering (ISI)

NRC/REGION II

Robert Hagar

The discussion addressed the following question:

Your Bulletin 2002-01 15-day response discussed one instance of lower canopy seal weld leakage and two instances of conoseal connection leakage. The boric acid deposits were removed for all three leakage events. In addition, you stated that 85% of the head was inspected visually during refueling outage (RFO)-10 (the remaining 15% was assumed to be a 3-foot diameter circle). Discuss whether or not any of the leaks that have occurred at Shearon Harris would have resulted in leakage into the areas that were not inspected during RFO-10. Include a discussion of any deposits that were identified, and the source of the deposits.

Response:

Carolina Power & Light Company (CP&L) confirmed that the penetration that leaked in the Shearon Harris Nuclear Plant's RFO-10 was on the outer ring of control rod drive mechanisms (CRDMs) in its own compartment such that it cannot spray out onto a large portion of the head. After exiting the CRDM assembly the solution ran down an adjacent CRDM support column.

During RFO-8 there was a canopy seal leak on penetration number 18. The leak was in a portion of the head that could be visually inspected. The head area was cleaned after the leakage event. Visual indications left on the head were staining and very light residue.

There was no evidence of boric acid on the insulation on the head. All deposits had been cleaned from the previous leak. There was no indication of leakage originating from the 3-foot diameter circle when viewed from above the reactor vessel head. There was no residue adjacent to the 3-foot diameter circle, and there was no indication of leakage originating from within that area when viewed from the underside of the reactor vessel head. This area refers to the 3-foot diameter circle on the reactor vessel head, which according to the licensee's 15-day Bulletin response was not visually inspected.

CP&L committed to send the written supplement for Shearon Harris to the NRC within 40 days after May 23, 2002.

Carolina Power & Light Company

cc:

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ATTACHMENT 2
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