

October 16, 2003

Mr. James Scarola, Vice President
Shearon Harris Nuclear Power Plant
Carolina Power & Light Company
Post Office Box 165, Mail Code: Zone 1
New Hill, North Carolina, 27562-0165

SUBJECT: SHEARON HARRIS NUCLEAR POWER PLANT, UNIT 1 - FINAL ACCIDENT
SEQUENCE PRECURSOR ANALYSIS OF DECEMBER 2001 OPERATIONAL
EVENT

Dear Mr. Scarola:

Enclosed for your information is the final Accident Sequence Precursor (ASP) analysis of an operational event (Enclosure) that occurred at the Shearon Harris Nuclear Power Plant, Unit 1 in December 2001. This condition was documented in NRC Inspection Report 50-400/2000-09, dated December 18, 2001. The results of the final ASP analysis indicate that this event is a precursor [i.e., the importance or change in core damage probability (CCDP) $>1E-6$].

In the past, preliminary versions of all ASP analyses were issued for internal peer review by the NRC staff and for external peer review by the licensee. Comments received from these reviews were then resolved as part of the final analysis. To increase efficiency, we are now issuing the "non-controversial" ASP analyses as final documents. In this event, the findings in the ASP analysis (i.e., the change in core damage probability and dominant risk contributors) are consistent with those in the Significance Determination Process (SDP). Since this ASP analysis confirms the results of the final SDP, which has been reviewed by the NRC staff and Carolina Power & Light Company, it is being issued as a final product for information only.

The NRC staff is continuing to review the appropriate classification of these documents within our records management program, considering changes in our practices following the events of September 11, 2001. Using our interim guidance, the attached analyses have been marked as "Proprietary Information" or "Sensitive Information" in accordance with Section 2.790(d) of Title 10 of the *Code of Federal Regulations*. Please control the document accordingly (i.e., treat the document as if you had determined that it contained trade secrets and commercial or

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financial information that you considered privileged or confidential). We will inform you if the classification of the document changes as a result of our ongoing assessments.

Please contact me at 301-415-3025 if you have any questions regarding the enclosure.

Sincerely,

/RA/

Chandu P. Patel, Project Manager, Section 2
Project Directorate II
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-400

Enclosure:
ASP Final Analysis (Sensitive - Not for Public Disclosure)

cc w/o encl: See next page

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Chandu P. Patel, Project Manager, Section 2
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Enclosure:
ASP Final Analysis (Sensitive - Not for Public Disclosure)

cc w/o encl: See next page

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Carolina Power & Light Company

Shearon Harris Nuclear Power Plant
Unit 1

cc w/o enclosure:

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