

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 OCTOBER 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 October 2001. This condition was documented in Licensee Event Report (LER) 400/01-003, event date October 8, 2001, and in NRC Inspection Report 50-400/2002-02 dated April 25, 2002. 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 enclosed 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

- 2 -

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

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

Distribution w/o encl:

PUBLIC (Letter only)

PDII-2 Reading

AHowe

CPatel

EDunnington

OGC

ACRS

PFredrickson

SMays

PO'Reilly

JGolla

MHarper, RES

Document Name: G:\PDII-2\Shearon Harris\ASP10082001.wpd

ADAMS ACCESSION: ML032890093

OFFICE	PDII-2/PM	PDII-2/LA	PDII-2/SC
NAME	CPatel	EDunnington	AHowe
DATE	9/25/2003	9/24/2003	10/8/2003

OFFICIAL RECORD COPY

Mr. James Scarola
Carolina Power & Light Company

Shearon Harris Nuclear Power Plant
Unit 1

cc w/o enclosure:

Steven R. Carr
Associate General Counsel - Legal
Department
Progress Energy Service Company, LLC
Post Office Box 1551
Raleigh, North Carolina 27602-1551

Mr. Robert J. Duncan II
Director of Site Operations
Carolina Power & Light Company
Shearon Harris Nuclear Power Plant
Post Office Box 165, Mail Zone 1
New Hill, North Carolina 27562-0165

Resident Inspector/ Harris NPS
c/o U. S. Nuclear Regulatory Commission
5421 Shearon Harris Road
New Hill, North Carolina 27562-9998

Mr. Robert P. Gruber
Executive Director
Public Staff NCUC
4326 Mail Service Center
Raleigh, North Carolina 27699-4326

Ms. Margaret A. Force
Assistant Attorney General
State of North Carolina
Post Office Box 629
Raleigh, North Carolina 27602

Chairman of the North Carolina
Utilities Commission
Post Office Box 29510
Raleigh, North Carolina 27626-0510

Public Service Commission
State of South Carolina
Post Office Drawer 11649
Columbia, South Carolina 29211

Mr. Herb Council, Chair
Board of County Commissioners
of Wake County
P. O. Box 550
Raleigh, North Carolina 27602

Ms. Beverly Hall, Section Chief
Division of Radiation Protection
N.C. Department of Environment
and Natural Resources
3825 Barrett Drive
Raleigh, North Carolina 27609-7721

Mr. Tommy Emerson, Chair
Board of County Commissioners
of Chatham County
P. O. Box 87
Pittsboro, North Carolina 27312

Mr. James W. Holt
Manager
Performance Evaluation and
Regulatory Affairs PEB 7
Progress Energy
Post Office Box 1551
Raleigh, North Carolina 27602-1551

Mr. Terry C. Morton, Manager
Support Services
Carolina Power & Light Company
Shearon Harris Nuclear Power Plant
P. O. Box 165, Mail Zone 1
New Hill, North Carolina 27562-0165

Mr. Benjamin C. Waldrep
Plant General Manager - Harris Plant
Carolina Power & Light Company
Shearon Harris Nuclear Power Plant
P. O. Box 165, Mail Zone 3
New Hill, North Carolina 27562-0165

Mr. John R. Caves, Supervisor
Licensing/Regulatory Programs
Carolina Power & Light Company
Shearon Harris Nuclear Power Plant
P. O. Box 165, Mail Zone 1
New Hill, NC 27562-0165

Mr. John H. O'Neill, Jr.
Shaw, Pittman, Potts & Trowbridge
2300 N Street, NW.
Washington, DC 20037-1128