

October 1, 2003

Mr. Ronald A. Jones  
Vice President, Oconee Site  
Duke Energy Corporation  
7800 Rochester Highway  
Seneca, SC 29672

SUBJECT: OCONEE NUCLEAR STATION, UNITS 1, 2, AND 3 RE: FINAL ACCIDENT  
SEQUENCE PRECURSOR ANALYSIS OF APRIL 2001 OPERATIONAL EVENT

Dear Mr. Jones:

Enclosed for your information is the final Accident Sequence Precursor (ASP) analysis of an operational event which occurred at the Oconee Nuclear Station, Units 1, 2, and 3. This condition, which has existed since the 1970's, was documented in NRC Inspection Reports 50-269/00-08, 50-270/00-08, and 50-287/00-08, dated April 30, 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  $>1E-6$ ] for all three units at Oconee.

In the past, preliminary versions of all ASP analyses were issued for internal peer review by 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, that has been reviewed by the NRC staff and Duke Energy, it is being issued as a final product for information only.

Please contact me at 301-415-1419 if you have any questions regarding the enclosure.

Due to the potential sensitivity of the information described in the enclosed ASP analysis, the NRC staff has not made this Enclosure publicly available.

Sincerely,  
**/RA/**

Leonard N. Olshan, Senior Project Manager, Section 1  
Project Directorate II  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket Nos. 50-269, 50-270, and 50-287

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

cc w/o encl: See next page

October 1, 2003

Mr. Ronald A. Jones  
Vice President, Oconee Site  
Duke Energy Corporation  
7800 Rochester Highway  
Seneca, SC 29672

SUBJECT: OCONEE NUCLEAR STATION, UNITS 1, 2, AND 3 RE: FINAL ACCIDENT  
SEQUENCE PRECURSOR ANALYSIS OF APRIL 2001 OPERATIONAL EVENT

Dear Mr. Jones:

Enclosed for your information is the final Accident Sequence Precursor (ASP) analysis of an operational event which occurred at the Oconee Nuclear Station, Units 1, 2, and 3. This condition, which has existed since the 1970's, was documented in NRC Inspection Reports 50-269/00-08, 50-270/00-08, and 50-287/00-08, dated April 30, 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  $>1E-6$ ] for all three units at Oconee.

In the past, preliminary versions of all ASP analyses were issued for internal peer review by 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 Duke Energy, it is being issued as a final product for information only.

Please contact me at 301-415-1419 if you have any questions regarding the enclosure.

Due to the potential sensitivity of the information described in the enclosed ASP analysis, the NRC staff has not made this Enclosure publicly available.

Sincerely,

/RA/

Leonard N. Olshan, Senior Project Manager, Section 1  
Project Directorate II  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket Nos. 50-269, 50-270, and 50-287

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

cc w/o encl: See next page

DISTRIBUTION:

NON-PUBLIC	LOlshan	MHarper,RES	PDII-1 Reading	OGC
JGolla	JNakoski	ACRS	CHawes	RHaag,RII

ADAMS ACCESSION NUMBER:ML032740002

OFFICE	PDII-1/PM	PDII-1/LA	PDII-1/SC
NAME	LOlshan	CHawes	JNakoski
DATE	9/25/2003	9/22/2003	9/26/2003

OFFICIAL RECORD COPY

## Oconee Nuclear Station

cc:

Ms. Lisa F. Vaughn  
Duke Energy Corporation  
Mail Code - PB05E  
422 South Church Street  
P.O. Box 1244  
Charlotte, North Carolina 28201-1244

Anne W. Cottingham, Esquire  
Winston and Strawn  
1400 L Street, NW  
Washington, DC 20005

Manager, LIS  
NUS Corporation  
2650 McCormick Drive, 3rd Floor  
Clearwater, Florida 34619-1035

Senior Resident Inspector  
U. S. Nuclear Regulatory  
Commission  
7812B Rochester Highway  
Seneca, South Carolina 29672

Mr. Henry Porter, Director  
Division of Radioactive Waste Management  
Bureau of Land and Waste Management  
Department of Health and Environmental  
Control  
2600 Bull Street  
Columbia, South Carolina 29201-1708

Mr. Michael A. Schoppman  
Framatome ANP  
1911 North Ft. Myer Drive  
Suite 705  
Rosslyn, VA 22209

Mr. L. E. Nicholson  
Compliance Manager  
Duke Energy Corporation  
Oconee Nuclear Site  
7800 Rochester Highway  
Seneca, South Carolina 29672

Ms. Karen E. Long  
Assistant Attorney General  
North Carolina Department of  
Justice  
P. O. Box 629  
Raleigh, North Carolina 27602

Mr. C. Jeffrey Thomas  
Manager - Nuclear Regulatory  
Licensing  
Duke Energy Corporation  
526 South Church Street  
Charlotte, North Carolina 28201-1006

Mr. Richard M. Fry, Director  
Division of Radiation Protection  
North Carolina Department of  
Environment, Health, and  
Natural Resources  
3825 Barrett Drive  
Raleigh, North Carolina 27609-7721

Mr. Peter R. Harden, IV  
VP-Customer Relations and Sales  
Westinghouse Electric Company  
6000 Fairview Road  
12th Floor  
Charlotte, North Carolina 28210