

May 8, 2007

Mr. Bruce H. Hamilton
Vice President, Oconee Site
Duke Power Company LLC
7800 Rochester Highway
Seneca, SC 29672

SUBJECT: OCONEE NUCLEAR STATION, UNITS 1, 2, AND 3 - RESPONSE TO
GENERIC LETTER 2006-02, "GRID RELIABILITY AND THE IMPACT ON
PLANT RISK AND THE OPERABILITY OF OFFSITE POWER" (TAC NOS.
MD1006, MD1007, AND MD1008)

Dear Mr. Hamilton:

On February 1, 2006, the U.S. Nuclear Regulatory Commission (NRC) issued GL 2006-02, "Grid Reliability and the Impact on Plant Risk and the Operability of Offsite Power" (Agencywide Document Access and Management System (ADAMS) Accession No. ML060180352), to all holders of operating licenses for nuclear power reactors except those who have permanently ceased operation and have certified that fuel has been removed from the reactor vessel.

GL 2006-02 notified licensees of the NRC staff's need for information in four areas as follows:

- (1) Use of protocols between the nuclear power plant (NPP) and the transmission system operator (TSO), independent system operator (ISO), or reliability coordinator/authority (RC/RA) and the use of transmission load flow analysis tools (analysis tools) by TSOs to assist NPPs in monitoring grid conditions to determine the operability of offsite power systems under plant technical specifications (TSs). (The TSO, ISO, or RC/RA is responsible for preserving the reliability of the local transmission system. In this GL the term TSO is used to denote these entities);
- (2) Use of NPP/TSO protocols and analysis tools by TSOs to assist NPPs in monitoring grid conditions for consideration in maintenance risk assessments;
- (3) Offsite power restoration procedures in accordance with Section 2 of NRC Regulatory Guide (RG) 1.155, "Station Blackout;" and
- (4) Losses of offsite power caused by grid failures at a frequency equal to or greater than once in 20 site-years in accordance with RG 1.155.

Subsequent to the GL, the NRC issued a Request For Additional Information (RAI) (ADAMS Accession No. ML063380308), regarding the resolution of GL 2006-02 to 63 of 65 holders of operating licenses for nuclear power reactors. The RAI requested licensees respond to questions in the following areas:

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- (1) Switchyard minimum voltage,
- (2) Loss of real-time contingency analysis (RTCA) capability,
- (3) Verification of RTCA predicted post-trip voltage,
- (4) Identification of applicable single contingencies,
- (5) Seasonal variation in grid stress (reliability and loss-of-offsite power probability),
- (6) Interface with transmission system operator during extended plant maintenance.

By letters dated March 30, 2006 (ADAMS Accession No. ML061020168), and January 31, 2007 (ADAMS Accession No. ML070440175), you responded to the information request of GL 2006-02 and the subsequent RAI. Based on the information you provided, the NRC staff has concluded that compliance is being maintained with NRC regulatory requirements governing electric power sources and associated personnel training and considers your response to GL 2006-02 complete.

If you have any questions, please contact me at 301-415-1419.

Sincerely,

/RA/

Leonard N. Olshan, Project Manager
Plant Licensing Branch II-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

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

cc: See next page

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Oconee Nuclear Station, Units 1, 2, and 3

cc:

Mr. Bruce H. Hamilton
Vice President, Oconee Site
Duke Power Company LLC
7800 Rochester Highway
Seneca, SC 29672

Ms. Lisa F. Vaughn
Associate General Counsel and Managing
Attorney
Duke Energy Carolinas, LLC
526 South Church Street - EC07H
Charlotte, North Carolina 28202

Manager, LIS
NUS Corporation
2650 McCormick Dr., 3rd Floor
Clearwater, FL 34619-1035

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

Mr. Henry Porter, Director
Division of Radioactive Waste Management
Bureau of Land and Waste Management
Dept. of Health and Env. Control
2600 Bull St.
Columbia, SC 29201-1708

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

Mr. B. G. Davenport
Regulatory Compliance Manager
Oconee Nuclear Site
Duke Energy Corporation
ON03RC
7800 Rochester Highway
Seneca, SC 29672

Mr. Leonard G. Green
Assistant Attorney General
NC Department of Justice
P.O. Box 629
Raleigh, NC 27602

Mr. R. L. Gill, Jr.
Manager - Nuclear Regulatory
Issues and Industry Affairs
Duke Power Company LLC
526 S. Church St.
Mail Stop EC05P
Charlotte, NC 28202

Division of Radiation Protection
NC Dept of Environment, Health, & Natural
Resources
3825 Barrett Dr.
Raleigh, NC 27609-7721

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

Mr. Henry Barron
Group Vice President, Nuclear Generation
and Chief Nuclear Officer
P.O. Box 1006-EC07H
Charlotte, NC 28201-1006

Mr. Charles Brinkman
Director, Washington Operations
Westinghouse Electric Company
12300 Twinbrook Parkway, Suite 330
Rockville, MD 20852

Ms. Kathryn B. Nolan
Senior Counsel
Duke Energy Carolinas, LLC
526 South Church Street - EC07H
Charlotte, NC 28202