

April 19, 2007

Mr. Stewart B. Minahan
Vice President-Nuclear and CNO
Nebraska Public Power District
72676 648A Avenue
Brownville, NE 68321

SUBJECT: COOPER NUCLEAR STATION - RESPONSE TO GENERIC LETTER 2006-02,
"GRID RELIABILITY AND THE IMPACT ON PLANT RISK AND THE
OPERABILITY OF OFFSITE POWER" (TAC NO. MD0969)

Dear Mr. Minahan:

On February 1, 2006, the U.S. Nuclear Regulatory Commission (NRC) issued Generic Letter (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 the following four areas:

- (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 RA/RC 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 that licensees respond to questions in the following areas:

- (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 (LOOP) Probability; and
- (6) Interface With Transmission System Operator During Extended Plant Maintenance.

By letters dated March 30, 2006 (ADAMS Accession No. ML060940419), and January 31, 2007 (ADAMS Accession No. ML070360038), you responded to the information request of GL 2006-02 and the subsequent RAI. Based on the information you provided, the 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 regarding this matter, please contact me 301-415-2296.

Sincerely,

/RA/

Carl F. Lyon, Project Manager
Plant Licensing Branch IV
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-298

cc: See next page

- (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 (LOOP) Probability; and
- (6) Interface With Transmission System Operator During Extended Plant Maintenance.

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Cooper Nuclear Station

cc:

Mr. Ronald D. Asche
President and Chief Executive Officer
Nebraska Public Power District
1414 15th Street
Columbus, NE 68601

Mr. Gene Mace
Nuclear Asset Manager
Nebraska Public Power District
P.O. Box 98
Brownville, NE 68321

Mr. John C. McClure
Vice President and General Counsel
Nebraska Public Power District
P.O. Box 499
Columbus, NE 68602-0499

Mr. Paul V. Fleming
Licensing Manager
Nebraska Public Power District
P.O. Box 98
Brownville, NE 68321

Mr. Michael J. Linder, Director
Nebraska Department of Environmental
Quality
P.O. Box 98922
Lincoln, NE 68509-8922

Chairman
Nemaha County Board of Commissioners
Nemaha County Courthouse
1824 N Street
Auburn, NE 68305

Ms. Julia Schmitt, Manager
Radiation Control Program
Nebraska Health & Human Services R & L
Public Health Assurance
301 Centennial Mall, South
P.O. Box 95007
Lincoln, NE 68509-5007

Mr. H. Floyd Gilzow
Deputy Director for Policy
Missouri Department of Natural Resources
P.O. Box 176
Jefferson City, MO 65102-0176

Senior Resident Inspector
U.S. Nuclear Regulatory Commission
P.O. Box 218
Brownville, NE 68321

Regional Administrator, Region IV
U.S. Nuclear Regulatory Commission
611 Ryan Plaza Drive, Suite 400
Arlington, TX 76011

Director, Missouri State Emergency
Management Agency
P.O. Box 116
Jefferson City, MO 65102-0116

Chief, Radiation and Asbestos
Control Section
Kansas Department of Health
and Environment
Bureau of Air and Radiation
1000 SW Jackson
Suite 310
Topeka, KS 66612-1366

Mr. Donald A. Flater
Radiation Control Program Director
Bureau of Radiological Health
Iowa Department of Public Health
Lucas State Office Building, 5th Floor
321 East 12th Street
Des Moines, IA 50319

Mr. Daniel K. McGhee
Bureau of Radiological Health
Iowa Department of Public Health
Lucas State Office Building, 5th Floor
321 East 12th Street
Des Moines, IA 50319

Cooper Nuclear Station

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cc:

Mr. Keith G. Henke, Planner
Division of Community and Public Health
Office of Emergency Coordination
930 Wildwood P.O. Box 570
Jefferson City, MO 65102

Mr. John F. McCann, Director
Licensing, Entergy Nuclear Northeast
Entergy Nuclear Operations, Inc.
440 Hamilton Avenue
White Plains, NY 10601-1813

Mr. Kevin V. Chambliss, Director of Nuclear
Safety Assurance
Nebraska Public Power District
P.O. Box 98
Brownville, NE 68321

February 2007