

April 6, 2010

Mr. Stewart B. Minahan
Chief Nuclear Officer, Vice President - Nuclear
Cooper Nuclear Station
Nebraska Public Power District
72676 648A Ave
Brownville, NE 68321

SUBJECT: SAFETY EVALUATION REPORT WITH OPEN ITEMS RELATED TO THE
LICENSE RENEWAL OF COOPER NUCLEAR STATION

Dear Mr. Minahan:

By letter dated September 24, 2008, Nebraska Public Power District submitted, for the U.S. Nuclear Regulatory Commission (staff) review an application to renew the Cooper Nuclear Station (CNS) operating license for up to an additional 20 years. The license renewal application (LRA) was submitted pursuant to Title 10 of the *Code of Federal Regulations* Part 54, "Requirements for Renewal of Operating Licenses for Nuclear Power Plants." The staff determined that the LRA was complete and acceptable for docketing on December 19, 2008.

The staff reviewed the CNS LRA and has developed the enclosed "Safety Evaluation Report With Open Items related to the License Renewal of the Cooper Nuclear Station," hereinafter referred to as the Safety Evaluation Report (SER). This SER reflects the status of the staff's review of the LRA, requests for additional information (RAIs), the applicant's responses to the staff's RAIs and other questions related to the LRA through March 29, 2010, unless otherwise noted. Issuance of the enclosed SER is an important milestone for both the applicant and the staff.

The staff has identified open and confirmatory items in its review that must be resolved before it can make a final determination on the application. SER Section 1.5 includes the open items with an explanation of the information required to satisfactorily resolve the issue. In order to resolve the items, the staff has requested additional information, as identified in the SER.

In accordance with the schedule for completing the review of the CNS LRA, the applicant is requested to review the enclosed SER, verify its accuracy, and provide comments to the staff by May 26, 2010. The staff plans to review the current content and format of the SER for further improvement while incorporating the applicant's comments. A revised SER will then be issued by July 29, 2010.

S. Minahan

- 2 -

The staff is committed to completing the review of the CNS SER in a timely manner. If you have any questions regarding this matter, please contact the License Renewal Project Manager Tam Tran at 301-415-3617 or by e-mail at Tam.Tran@nrc.gov.

Sincerely,

/RA/

Brian E. Holian, Director
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket No. 50-298

Enclosure:
As stated

cc w/encl: See next page

S. Minahan

- 2 -

The staff is committed to completing the review of the CNS SER in a timely manner. If you have any questions regarding this matter, please contact the License Renewal Project Manager Tam Tran at 301-415-3617 or by e-mail at Tam.Tran@nrc.gov.

Sincerely,

/RA/

Brian Holian, Director
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket No. 50-298

Enclosure:
As stated

cc w/encl: See next page

DISTRIBUTION: See next page

ADAMS Accession No.: ML100960529 (pkg), ML100690422 (ltr), ML100960511(encl)

*Concurrence via e-mail

OFFICE:	PM:RPB2:DLR	LA:DLR	OGC (NLO)	BC:RPB1:DLR	(A)BC:RARB:DLR*
NAME:	TTran	IKing	DRoth	BPham	GShukla
DATE:	03/22/10	03/16/10	04/02/10	03/22/10	04/06/10
OFFICE:	BC:RAPB:DLR*	BC:RASB:DLR*	BC:DE:EMCB*	BC:DE:EEEE*	BC:DSS:SCVB*
NAME:	DPelton (W. Holston for)	RAuluck	MKhanna	GWilson	RDennig
DATE:	04/06/10	03/04/10	03/05/10	03/03/10	03/03/10
OFFICE:	BC:DSS:SBPB*	BC:DSS:SRXB*	BC:DCI:CVIB*	BC:DRA:AFPB*	BC:DCI:CSG*
NAME:	GCasto	GCranston	MMitchell	AKlein	RTaylor
DATE:	03/10/10	03/04/10	03/05/10	03/16/10	03/10/10
OFFICE:	D:DE	D:DSS	D:DCI	D:DRA	D:DLR
NAME:	PHiland (LLund for)	WRuland	MEvans	MCunningham	BHolian
DATE:	03/24/10	03/24/10	03/24/10	03/23/10	04/06/10

OFFICIAL RECORD COPY

Letter to S. Minahan from B. Holian dated April 6, 2010

SUBJECT: SAFETY EVALUATION REPORT WITH OPEN ITEMS RELATED TO THE
LICENSE RENEWAL OF COOPER NUCLEAR STATION

DISTRIBUTION:

HARD COPY:

DLR RF

E-MAIL:

PUBLIC

RidsNrrDlr Resource
RidsNrrDlrRpb1 Resource
RidsNrrDlrRpb2 Resource
RidsNrrDlrRarb Resource
RidsNrrDlrRasb Resource
RidsNrrDlrRapb Resource
RidsNrrDlrRerb Resource
RidsNrrDlrRpob Resource
RidsNrrDciCvib Resource
RidsNrrDciCpnb Resource
RidsNrrDciCsgb Resource
RidsNrrDraAfpb Resource
RidsNrrDraApla Resource
RidsNrrDeEmcb Resource
RidsNrrDeEeeb Resource
RidsNrrDssSrxb Resource
RidsNrrDssSbpb Resource
RidsNrrDssScvb Resource
RidsOgcMailCenter Resource

T. Tran
B. Brady
F. Lyon
I. Couret, OPA
D. Roth, OGC
A. Jones, OGC
N. Taylor, RIV
E. Collins, RIV
C. Casto, RIV
B. Maier, RIV
V. Dricks, RIV
D. Chamberlain, RIV
A. Vogel, RIV
W. Walker, RIV
G. Miller, RIV
G. Pick, RIV

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. David Van Der Kamp
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

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
612 E. Lamar Blvd., Suite 400
Arlington, TX 76011-4125

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

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

Cooper Nuclear Station

- 2 -

cc:

Mr. Art Zaremba, Director of Nuclear
Safety Assurance
Nebraska Public Power District
P.O. Box 98
Brownville, NE 68321

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

Mr. Mike Boyce
Cooper Strategic Initiatives Manager
Cooper Nuclear Station
72676 – 648A Avenue
Brownville, NE 68321

Mr. Dave Bremer
License Renewal Project Manager
Cooper Nuclear Station
72676 – 648A Avenue
Brownville, NE 68321

Mr. Bill Victor
License Renewal Project Licensing Lead
Cooper Nuclear Station
72676 – 648A Avenue
Brownville, NE 68321

Mr. Garry Young
License Renewal Manager
Entergy Nuclear
1448 S.R. 333, N-GSB-45
Russellville, AR 72802

Mr. Alan Cox
License Renewal Technical Manager
Entergy Nuclear
1448 S.R. 333, N-GSB-45
Russellville, AR 72802

Mr. Dave Lach
LRP Entergy Project Manager
Entergy Nuclear
1448 S.R. 333, N-GSB-45
Russellville, AR 72802