

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](mailto: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](mailto: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