June 10, 2009

LICENSEE: Nebraska Public Power District

FACILITY: Cooper Nuclear Station Power Plant

SUBJECT: SUMMARY OF TELEPHONE CONFERENCE CALL HELD ON MAY 20, 2009, BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION STAFF AND NEBRASKA PUBLIC POWER DISTRICT, RELATED TO A CLARIFICATION ON CERTAIN REQUESTS FOR ADDITIONAL INFORMATION, FOR COOPER NUCLEAR STATION LICENSE RENEWAL

The U.S. NRC staff and representatives of Nebraska Public Power District held a telephone conference call on May 20, 2009, to discuss clarifications for certain draft requests for additional information for Cooper Nuclear Station license renewal.

Enclosure 1 provides a listing of the participants, and Enclosure 2 contains a brief description of the conference call.

The applicant had an opportunity to comment on this summary.

/RA/

Tam Tran, Project Manager
License Renewal Projects Branch 1
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket No. 50-298

Enclosures:
As stated

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OFFICE	LA:DLR	PM:RPB1:DLR	PM:RPB2:DLR	BC:RPB1:DLR
NAME	SFigueroa	T. Tran	E. Sayoc	D. Pelton (D. Ashley for)
DATE	06/10/09	0610/09	06/10/09	06/10/09

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LIST OF PARTICIPANTS FROM THE
TELEPHONE CONFERENCE CALL FOR
COOPER NUCLEAR STATION
LICENSE RENEWAL APPLICATION

MAY 20, 2009

PARTICIPANTS	AFFILIATIONS
Tam Tran	U.S. Nuclear Regulatory Commission (NRC)
Chuang-Yeh Yang	NRC
Dave Bremer	Nebraska Public Power District (NPPD)
Jim Loynes	NPPD
Ken Thomas	NPPD
Dave Lach	Entergy
Alan Cox	Entergy
Ted Ivy	Entergy
Ron Finnin	Entergy (Areva)

ENCLOSURE 1

COOPER NUCLEAR STATION POWER PLANT
LICENSE RENEWAL APPLICATION
(Brief description of the conference call)

The U.S. Nuclear Regulatory Commission staff and representatives of Nebraska Public Power District (NPPD), held a telephone conference call on May 20, 2009, to discuss clarifications for certain draft requests for additional information listed below.

Discussion:

RAI B.1.15-9 (Draft)

Based on the conference call between the staff and the applicant on May 20, 2009, RAI B.1.15-3 (ML091240344) was updated as follows:

Background

Program Element 4 of NUREG-1801 Section X.M1 is concerning detection of aging effects. Under the Cooper Nuclear Station (CNS) Fatigue Monitoring Program, B.1.15 (CNS-RPT-LRD02, Revision 1), program element 4 subsection b states: "No actions are taken as part of this program to detect aging effects…If a design cycle assumption is approached, corrective action is taken which will include update of fatigue usage calculation, if necessary."

In addition, Program Element 5 of NUREG-1801 Section X.M1 is concerning monitoring and trending. Under the CNS Fatigue Monitoring Program, B.1.15 (CNS-RPT-LRD02, Revision 1), Program Element 5, Subsection B, it states: "The Fatigue Monitoring Program monitors the number of pressure and temperature transient cycles and periodically compares this cycle count with the design cycle count to ensure that fatigue sensitive components remain within their allowable design…"

Issue

Clarification is deemed necessary, as described below. Additionally, Element 5 indicates that only the feedwater nozzle will be monitored.

Request

(a) Please provide the basis for why taking "no action" will achieve the goal of detecting aging effects.

(b) Please explain why "design cycle" can be used as a basis for detecting aging effects when the design transients do not include all thermal events actually experienced by the reactor coolant pressure boundary components, as discussed in RAI B.1.15-2.

(c) The license renewal application (LRA) states that the environmental fatigue analyses were performed based on the 60-year projected cycles and LRA Table 4.3-1 shows that the 60-year projected cycles for most of the transients are less than the design cycles.

With these conditions in mind, components could have failed before the design cycles are approached. Provide justification that the design cycles can be used as criteria to detect aging effects.

(d) "Generic Aging Lessons Learned (GALL) report," requires all high fatigue locations are monitored, not just at the most limiting location within the applicable NUREG/CR-6260 locations, as minimum. Please provide justification that CNS will monitor the feedwater nozzle only.

The applicant indicated understanding of this request for information.

RAI B.1.15-10 (Draft)

Based on the conference call between the staff and the applicant on May 20, 2009, RAI B.1.15-4 (ML091240344) was updated as follow:

Background

Program Element 6 of NUREG-1801 Section X.M1 is concerning acceptance criteria. Under the CNS Fatigue Monitoring Program, B.1.15 (CNS-RPT-LRD02, Revision 1), Program Element 6 Subsection B states: "The Fatigue Monitoring Program acceptance criteria are that none of the transients exceeded the allowable numbers in USAR Table III-3-1…"

Issue

Clarification is deemed necessary, as described below:

Request

(a) Questions (b) and (c) of RAI B.1.15-3 apply here. Please explain accordingly.

(b) GALL Section X.M1 Element 6 requires maintaining fatigue usage below the design code limit considering environmental fatigue effects. CNS Fatigue Monitoring Program, Element 6 does not mention environmental fatigue effects. Please explain why.

The applicant indicated understanding of this request for information.

Letter to Nebraska Public Power District from T Tran, dated June 10, 2009

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T. Tran
E. Sayoc
F. Lyon
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. Vegel (RIV)
W. Walker (RIV)
G. Miller (RIV)
G. Pick (RIV)
S. Burnell (RIV)

Cooper Power 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. Julie 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
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 P.O. Box 570
Jefferson City, MO 65102

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

Stewart Minahan
Vice President
Nuclear and Chief Nuclear Officer
Cooper Nuclear Station
72676 – 648A Avenue
Brownville, NE 68321

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

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

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

Jim Loynes
License Renewal Project Engineer
Cooper Nuclear Station
72676 – 648A Avenue
Brownville, NE 68321

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

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

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