

January 22, 2010

LICENSEE: Nebraska Public Power District

FACILITY: Cooper Nuclear Station Power Plant

SUBJECT: SUMMARY OF TELEPHONE CONFERENCE CALL HELD ON  
DECEMBER 2, 2009, BETWEEN THE U.S. NUCLEAR REGULATORY  
COMMISSION STAFF AND NEBRASKA PUBLIC POWER DISTRICT,  
RELATED TO A CLARIFICATION FOR CERTAIN RESPONSES TO  
REQUESTS FOR ADDITIONAL INFORMATION, FOR COOPER  
NUCLEAR STATION LICENSE RENEWAL

The U.S. Nuclear Regulatory Commission staff and representatives of Nebraska Public Power District held a telephone conference call on December 2, 2009, to discuss clarifications for certain responses to 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/*

Bennett Brady, 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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ADAMS Accession No. ML100110305

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NAME	S. Figueroa	T. Tran	B. Brady	B. Pham	B. Brady
DATE	01/14/10	01/19/10	01/20/10	01/21/10	01/22/10

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

December 2, 2009

PARTICIPANTS

AFFILIATIONS

B. Brady	U.S. Nuclear Regulatory Commission (NRC)
R. Parla	NRC
G. Cheruvenki	NRC
C. Doutt	NRC
A. Obodoako	NRC
D. Bremer	Nebraska Public Power District (NPPD)
W. Victor	NPPD
C. Parkyn,	NPPD
K. Thomas	NPPD
K. Sutton	NPPD
D. Lach	Entergy
A. Cox	Entergy
R. Rucker	Entergy
L. Potts	Entergy
T. Ivy,	Entergy
A. Taylor	Entergy

ENCLOSURE 1

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

The U.S. Nuclear Regulatory Commission (NRC) staff and representatives of Nebraska Public Power District (NPPD), held a telephone conference call on December 2, 2009, to discuss clarifications for certain responses to requests for additional information (RAIs) listed below.

1. **RAI 4.1-1**

In its letter dated August 13, 2009, the applicant stated that it did not consider performing a time limited aging analysis (TLAA) for the core plate hold down bolts because the existing analysis is not a 40 year analysis. The applicant stated that it would continue to perform inspections of the core plate hold down bolts per the BWRVIP-25 report. The applicant further stated that it would use enhanced visual testing (EVT-1) from below the core plate or UT from above the core plate when an approved method is developed by the industry. Since the applicant does not have an existing analysis for 40 years of operation, the staff accepts the applicant's response. A plant-specific analysis for the core plate hold down bolts was developed by General Electric (GE) Report GENE-0000-0004-4888-01, Rev. 0. "Assessment of the Structural Integrity of Core Plate Rim Bolts." In an electronic mail dated September 29, 2009, the applicant provided a non-proprietary version of the GE report to the staff for review and approval. The staff reviewed this version and determined that the proprietary version of the GE report is essential to complete the review, the staff requested the applicant to submit a proprietary version of the GE report for review and approval. Since the staff's review of the core plate hold down bolt analysis has not begun, the staff requested the applicant to clarify its plan for submitting the GE report (two years prior to the period of extended operation) for the staff's review and approval.

The applicant provided the following clarifications:

Due to the time constraints in obtaining from GE a docket-able version of the calculation, our plan is to commit to submit a version of this calculation on the docket (or otherwise make available to the staff for review, as mutually agreeable) prior to the period of extended operation. Parenthetically, GE is working with Boiler Water Reactor Vessels and Internal Project (BWRVIP) to resolve this issue fleet wide.

2. **RAI 3.3.2.2.6-1**

The licensee responded to the RAI 3.3.2.2.6-1 in a letter dated July 29, 2009 (ADAMS Accession No.ML092160083). In the response to the RAI, the licensee also provided information on relevant industry and operating experience. The licensee addressed staff concerns regarding scheduling of inspections and neutron attenuation testing of Boral coupons. The licensee confirmed that the surveillance inspections of the Boral coupons will be performed every eight years. In addition, the licensee stated that the rationale to not evaluate the change in neutron absorbing capacity was due to operating experience from neutron attenuation testing of coupons conducted in 1982 and 1992. The testing indicated no loss of neutron attenuation properties.

ENCLOSURE 2

After reviewing the licensee's response to the RAI 3.3.2.2.6-1, the staff determined that more information was needed to accept the justification that there is no change in neutron absorbing capacity of Boral in the spent fuel pool and that there is no need for further neutron attenuation testing. As a result, the staff and the licensee held a teleconference on September 21, 2009 to clarify the responses to the RAI; subsequently, the staff issued additional RAIs (i.e., RAI 3.3.2.2.6-2, 3, and 4) to obtain additional information for the review and documentation in the SER.

In the 9/21/09 conference call, the applicant proposed to commit to a one-time neutron attenuation test of a Boral coupon during the period of extended operation (PEO). Since that time, a draft ISG has been promulgated for industry comment. The draft interim staff guidance (ISG) prescribes a testing frequency not to exceed once every ten years. The applicant subsequently indicated that the issuance of the draft ISG resulted in further coordination for the applicant so that to avoid potentially pre-empting the industry by docketing the aforementioned commitment.

During the 12/2/2009 call, the staff provided a clarification that this is a safety evaluation report (SER) Open Item on the applicant's license renewal application (LRA) and therefore would need to be resolved for approval of the application. The staff requested the applicant to clarify its plan to provide the needed information.

The applicant provided the following clarifications:

The applicant understood, but reiterated that making the previous commitment to neutron attenuation testing appeared to be inconsistent with the ISG, and thus may be found to be insufficient in the ensuing months as industry comments serve to crystallize the staff position on the testing guidance in the draft ISG. The applicant understood that this will remain an SER Open Item, and the applicant would engage with Nuclear Energy Institute (NEI) and revisit the issue as industry comments are formulated.

Follow-up:

The applicant submitted on the docket in NLS2009100, dated December 21, 2009.

3. **RAI B.1.22-3**

In a conference call conducted on 9/21/2009, the conference call minutes indicate for RAI B.1.22-3 that the applicant will revise LRA B.1.22 to provide GALL AMP XI.E4 inspection and testing frequencies, and that this would include revising the USAR supplement. The applicant revised LRA Section A.1.22 in NLS2009095, dated 11/30/2009. Accordingly, the applicant wanted to verify with the staff that the revision to LRA A.1.1.22 to provide the Generic Aging Lessons Learned (GALL) frequencies has addressed the reviewing issues associated with RAI B.1.22-3, and the changes to the LRA B.1.22 are unnecessary.

The staff provided the following clarifications:

The staff confirmed that the revised LRA Section A.1.22 provided in NLS2009095 (dated November 30, 2009) adequately addressed RAI B.1.22-3, and that a change to LRA Section B.1.22 was not necessary for the SER documentation.

4. Brief status of Severe Accidents Mitigation Alternatives (SAMA) letter and sensitivity study results

The applicant informed the staff in November 2009 that there would be a change in the SAMA analysis. The staff requested for a status of this SAMA change.

The following clarifications were provided during the call:

The applicant outlined the information that would be provided in an upcoming correspondence. Specifically, that a sensitivity analysis had been performed using the corrected meteorological data. This analysis demonstrated that the error was conservative relative to the average population dose and offsite economic cost, and that no SAMAs were inappropriately excluded from consideration in the LRA as a result of the error in wind direction.

The staff indicated that this issue may affect the scheduled issuance of the draft Supplemental Environmental Impact Statement which was scheduled for December 2009.

Letter to Nebraska Public Power District from Bennett Brady dated January, 22, 2010

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Cooper Nuclear Station

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Cooper Nuclear Station

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