



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

July 12, 2013

LICENSEE: FirstEnergy Nuclear Operating Company
FACILITY: Davis-Besse Nuclear Power Station
SUBJECT: SUMMARY OF TELEPHONE CONFERENCE CALL HELD ON MAY 2, 2013,
BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION AND
FIRSTENERGY NUCLEAR OPERATING COMPANY, CONCERNING
REQUESTS FOR ADDITIONAL INFORMATION PERTAINING TO THE
DAVIS-BESSE NUCLEAR POWER STATION LICENSE RENEWAL
APPLICATION (TAC. NO. ME4640)

The U.S. Nuclear Regulatory Commission (NRC or the staff) and representatives of FirstEnergy Nuclear Operating Company (FENOC) held a telephone conference call on May 2, 2013, to discuss and clarify the staff's requests for additional information (RAIs) concerning the Davis-Besse Nuclear Power Station license renewal application.

Enclosure 1 provides a listing of the participants and Enclosure 2 contains a summary of the staff discussion with FENOC. A brief description on the status of the items is also included.

FENOC had an opportunity to comment on this summary.

Sincerely,

A handwritten signature in black ink, appearing to read "Samuel Cuadrado de Jesus".

Samuel Cuadrado de Jesus, Project Manager
Projects Branch 1
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket No. 50-346

Enclosures:

1. List of Participants
2. List of Requests for Additional Information

cc w/encls: Listserv

July 12, 2013

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FACILITY: Davis-Besse Nuclear Power Station

SUBJECT: SUMMARY OF TELEPHONE CONFERENCE CALL HELD ON MAY 2, 2013, BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION AND FIRSTENERGY NUCLEAR OPERATING COMPANY, CONCERNING REQUESTS FOR ADDITIONAL INFORMATION PERTAINING TO THE DAVIS-BESSE NUCLEAR POWER STATION, LICENSE RENEWAL APPLICATION (TAC. NO. ME4640)

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Sincerely,

/RA/

Samuel Cuadrado de Jesús, Project Manager
Projects Branch 1
Division of License Renewal
Office of Nuclear Reactor Regulation

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NAME	I King	S Cuadrado	Y Diaz	S Cuadrado
DATE	06/19/2013	07/9/2013	07//2013	07/12/2013

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SUMMARY OF TELEPHONE CONFERENCE CALL
DAVIS-BESSE NUCLEAR POWER STATION
LICENSE RENEWAL APPLICATION

LIST OF PARTICIPANTS
May 2, 2013

PARTICIPANTS

Samuel Cuadrado de Jesús
William (Bill) Holston
Angela Buford
Cliff Custer
Steven Dort
Trent Henline
Don Kosloff
Jake Hofelich
Larry Hinkle

AFFILIATIONS

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SUMMARY OF TELEPHONE CONFERENCE CALL
DAVIS-BESSE NUCLEAR POWER STATION
LICENSE RENEWAL APPLICATION

May 2, 2013

The U.S. Nuclear Regulatory Commission (NRC) staff and representatives of FirstEnergy Nuclear Operating Company (FENOC) held a telephone conference call on May 2, 2013, to discuss and clarify the following requests for additional information (RAIs) concerning the Davis-Besse Nuclear Power Station (Davis-Besse) license renewal application (LRA).

Response to RAI B.2.4-1b dated March 14, 2013

Discussion: The purpose of the call was to discuss FENOC's March 14, 2013, response to RAI B.2.4-1b related to high strength structural bolting, specifically to address high strength bolting in the ASME Section XI – IWF Program, as follows:

The staff stated that for the population of bolts that are high-strength (actual yield greater than 150 ksi), with a diameter greater than 1-inch, and located on a Class 1, Class 2, Class 3 pipe support or component support that is eligible to be in the IWF sample population FENOC should provide a plant-specific justification to waive the volumetric examination requirement for bolting. The staff stated that a reasonable justification to waive the volumetric examination is as follows:

- For high strength A540 bolting, the volumetric examination operating experience from the reactor vessel closure head studs provides acceptable justification for a waiver. However, the A540 bolts would have to be included in the 100 percent visual inspection population as previously described for A540 bolts covered by the Structures Monitoring Program.
- For high strength ASTM A325 and A490 bolting perform a one-time baseline volumetric examination of 20 percent or 25 bolts maximum and 100 percent visual examination of bolts as previously described for A540 bolts covered by the Structures Monitoring Program. The one-time volumetric examinations would be performed for each type of bolting, for a total of 50 examinations.

If corrosive environment is detected or confirmed by engineering, volumetric examination must be done for 20 percent or a maximum of 25 bolts.

FENOC stated that, to date, it had not identified any high strength A325 bolts greater than 1-inch in diameter that are used in ASME Section XI, Subsection IWF applications with a measured yield strength of greater than or equal to 150 ksi. However, a majority, but not all A325 bolts in IWF applications have been identified on plant drawings, and FENOC acknowledged difficulty in locating the Certified Material Test Reports (CMTRs) for some of the A325 bolts. As such, FENOC stated that it would provide the staff with justification why the IWF A325 bolts do not require volumetric examination. The justification would be based on the A325 bolting specification, a review of the IWF component support drawings and the identified CMTRs, and would provide reasonable assurance that all A325 bolts in IWF applications have a measured yield strength less than 150 ksi using engineering judgment.

FENOC stated that, for the A490 IWF bolts, a one-time volumetric examination would be performed of 20 percent of the bolts or 25 bolts maximum. If there is no evidence of cracking, FENOC would then go forward with the IWF Code visual examinations.

The staff stated that, to exclude the IWF A325 bolts from the volumetric examination population, FENOC should provide a properly justified discussion which includes the approximate total population of bolts, the number of bolt CMTRs reviewed, the specified yield strength identified in the bolt specifications, any additional supporting information, and a conclusion.

FENOC agreed to use the volumetric examination method recommended in the GALL Report IWF AMP. FENOC stated that it would perform volumetric examination of 20 percent of the susceptible IWF high strength A490 bolts up to a maximum of 25 bolts each IWF interval, using smart sampling methods.

The staff stated that the proposed approach appears to be acceptable. The FENOC response should include information regarding the IWF interval schedule, including outage schedules, and proposed schedules for the volumetric examinations of IWF high strength A490 bolts. FENOC should clearly state that the total susceptible population will be used to identify the sample population, and the response should include the appropriate revisions to the Davis-Besse license renewal application, such as Appendix A and commitment changes for any program enhancements.

FENOC stated that it plans to submit a response in approximately one week.

There was no further discussion, and the call was concluded.

Action: FENOC will supplement the RAI response.

Memorandum to FENOC from S. Cuadrado de Jesus dated July 12, 2013

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