



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

January 27, 2012

LICENSEE: FirstEnergy Nuclear Operating Company


FACILITY: Davis-Besse Nuclear Power Station

SUBJECT: SUMMARY OF TELEPHONE CONFERENCE CALL HELD ON
NOVEMBER 9, 2011, 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 or the applicant) held a telephone conference call on November 9, 2011, to discuss and clarify the applicant's responses to the staff's requests for additional information concerning the Davis-Besse Nuclear Power Station license renewal application.

Enclosure 1 provides a listing of the participants and Enclosure 2 contains a description of the staff concerns discussed with the applicant. A brief description on the status of the items is also included.

The applicant had an opportunity to comment on this summary.


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

Docket No. 50-346

Enclosures:
As stated

cc w/encls: Listserv

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

LIST OF PARTICIPANTS
NOVEMBER 9, 2011

PARTICIPANTS

Samuel Cuadrado de Jesús

James Gavula

Cliff Custer

Steve Dort

Allen McAllister

Larry Hinkle

Don Kosloff

AFFILIATIONS

U.S. Nuclear Regulatory Commission (NRC)

NRC

FirstEnergy Nuclear Operating Company (FENOC)

FENOC

FENOC

FENOC

FENOC

SUMMARY OF TELEPHONE CONFERENCE CALL
DAVIS-BESSE NUCLEAR POWER STATION
LICENSE RENEWAL APPLICATION
NOVEMBER 9, 2011

The U.S. Nuclear Regulatory Commission (NRC or the staff) and representatives of FirstEnergy Nuclear Operating Company (FENOC or the applicant) held a telephone conference call on November 9, 2011, to discuss and clarify the following response to requests for additional information (RAIs) concerning the Davis-Besse Nuclear Power Station license renewal application (LRA).

Response to RAI 2.3.3.18-4

Discussion:

The staff noted that in its response to RAI 2.3.3.18-4 dated October 21, 2011, the applicant stated that the "letdown coolers are in continuous service and not subject to cyclic loading, eddy current testing of tubes for managing cyclic loading is therefore not applicable." However, the staff noted that in its August 17, 2011, response to an RAI, the applicant stated that the B&W report regarding the reliability of letdown coolers identified the cause of the recurring tube leaks as fatigue cracking likely initiated by flow-induced vibration.

The staff stated that while it agrees that the coolers may be in continuous service, there does not appear to be a technical basis for stating that the coolers are not subject to cyclic loading, based on the information previously provided by the applicant. The staff also stated that unless there is some previously undisclosed additional information, fatigue cracking due to flow-induced vibration appears to demonstrate that the letdown cooler tubes are subject to cyclic loading.

After discussions, the applicant agreed that the statement, "The coolers are in continuous service and not subject to cyclic loading..." only considered thermal fatigue (i.e., low cycle fatigue). Since the coolers are subject to fatigue cracking due to flow-induced vibration (i.e., high cycle fatigue), the applicant agreed to delete or modify the statement. In addition, the applicant agreed to provide a supplemental response to RAI 2.3.3.18-4 to include an enhancement to the Closed Cooling Water Chemistry Program to ensure that component cooling water radiochemistry is sampled on a periodic basis to verify the integrity of the letdown coolers.

ACTION: FENOC to provide a supplemental response to RAI 2.3.3.18-4 to address the above issues.

January 27, 2012

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/RA/

Samuel Cuadrado de Jesús
Project Branch 1
Division of License Renewal
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Docket No. 50-346

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As stated

cc w/encls: Listserv

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*concurring via email

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DATE	1/25/12	1/26/12	1/ 27/12

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Memorandum to FirstEnergy Nuclear Operating Company from S. CuadradoDeJesus dated January 27, 2012

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