



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

January 27, 2012

**LICENSEE:** FirstEnergy Nuclear Operating Company

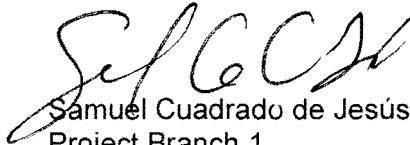
**FACILITY:** Davis-Besse Nuclear Power Station

**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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FACILITY: Davis-Besse Nuclear Power Station

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The applicant had an opportunity to comment on this summary.

**/RA/**

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

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\*concurring via email

OFFICE	LA: RPB2:DLR*	PM:RPB1:DLR	BC:RPB1:DLR
NAME	IKing	SCuadrado de Jesús	DMorey
DATE	1/25/12	1/26/12	1/ 27/12

**OFFICIAL RECORD COPY**

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

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