

## Davis-BesseNPEm Resource

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**From:** CuadradoDeJesus, Samuel  
**Sent:** Thursday, December 29, 2011 9:36 AM  
**To:** dorts@firstenergycorp.com  
**Cc:** custerc@firstenergycorp.com; Davis-BesseHearingFile Resource  
**Subject:** Telephone conference summary  
**Attachments:** 6 29 2011 DB NRC Telecon Summary.docx; 8 22 2011 DB NRC Telecon Summary.docx

**Importance:** High

Steve,

Please let me know if you have any comments on the attached telephone conference summaries.

Regards,

**Samuel Cuadrado de Jesús**

Project Manager

Projects Branch 1

Division of License Renewal

U.S. Nuclear Regulatory Commission

Phone: 301-415-2946

[Samuel.CuadradoDeJesus@nrc.gov](mailto:Samuel.CuadradoDeJesus@nrc.gov)

**Hearing Identifier:** Davis\_BesseLicenseRenewal\_Saf\_NonPublic  
**Email Number:** 3062

**Mail Envelope Properties** (377CB97DD54F0F4FAAC7E9FD88BCA6D0806FBBD45C)

**Subject:** Telephone conference summary  
**Sent Date:** 12/29/2011 9:35:55 AM  
**Received Date:** 12/29/2011 9:35:58 AM  
**From:** CuadradoDeJesus, Samuel

**Created By:** Samuel.CuadradoDeJesus@nrc.gov

**Recipients:**

"custer@firstenergycorp.com" <custer@firstenergycorp.com>

Tracking Status: None

"Davis-BesseHearingFile Resource" <Davis-BesseHearingFile.Resource@nrc.gov>

Tracking Status: None

"dorts@firstenergycorp.com" <dorts@firstenergycorp.com>

Tracking Status: None

**Post Office:** HQCLSTR01.nrc.gov

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	377	12/29/2011 9:35:58 AM
6 29 2011 DB NRC Telecon Summary.docx	28893	
8 22 2011 DB NRC Telecon Summary.docx	28779	

**Options**

**Priority:** High  
**Return Notification:** No  
**Reply Requested:** No  
**Sensitivity:** Normal  
**Expiration Date:**  
**Recipients Received:**

LICENSEE: FirstEnergy Nuclear Operating Company

FACILITY: Davis-Besse

SUBJECT: SUMMARY OF TELEPHONE CONFERENCE CALL HELD ON JUNE 29, 2011 BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION AND FIRSTENERGY NUCLEAR OPERATING COMPANY, CONCERNING REQUESTS FOR ADDITIONAL INFORMATION PERTAINING TO THE DAVIS-BESSE, 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 June 29, 2011, to discuss and clarify the applicant's responses to the staff's requests for additional information (RAIs) concerning the Davis-Besse, 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  
License Renewal Branch, RPB1  
Division of License Renewal  
Office of Nuclear Reactor Regulation

Docket Number:50-346

Enclosures:

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

cc w/encls: See next page

LICENSEE: FirstEnergy Nuclear Operating Company

FACILITY: Davis-Besse

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License Renewal Branch, RPB1  
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TELEPHONE CONFERENCE CALL  
DAVIS-BESSE  
LICENSE RENEWAL APPLICATION

LIST OF PARTICIPANTS  
JUNE 29, 2011

PARTICIPANTS

AFFILIATIONS

Samuel Cuadrado de Jesús	U.S. Nuclear Regulatory Commission (NRC)
Robert Sun	NRC
Elizabeth Trillo	Center for Nuclear Waste Regulatory Analyses
Cliff Custer	FirstEnergy Nuclear Operating Company (FENOC)
Steve Dort	FENOC
Kathy Nesser	FENOC
Larry Hinkle	FENOC
Allen McAllister	FENOC

## REQUESTS FOR ADDITIONAL INFORMATION

### LICENSE RENEWAL APPLICATION

JUNE 29, 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 June 29, 2011, to discuss and clarify the following responses to requests for additional information (RAIs) concerning the license renewal application (LRA).

#### **Response to RAI B.2.4-4**

##### **Discussion:**

The NRC staff stated that LRA Tables 3.2.2-1, 3.2.2-3, 3.2.2-4, 3.3.2-5, 3.3.2-7, 3.3.2-8, 3.3.2-11, 3.3.2-14, 3.3.2-16, 3.3.2-18, 3.3.2-23, 3.3.2-24, 3.3.2-25, 3.3.2-26, 3.3.2-31, 3.4.2-1 include AMR line items for both loss of material and for cracking in stainless steel bolts exposed to air with steam or water leakage (external) managed by the Bolting Integrity Program. In these same tables, a third related AMR line item exists for loss of preload in stainless steel bolts exposed to air-indoor uncontrolled (external).

Based on the response to RAI B.2.4-4 (6/24/11), it appears that the bolts described in the 3 coupled line items are the same components, and thus all expected aging effects (Loss of material, cracking, loss of preload) are accounted for, however it is not clear as a result of the different environments listed for these line items in the LRA. If all 3 coupled line items described the same component, then why are different environments used?

Another possibility is that the 3 coupled line items describe components with some but not complete overlap, where certain bolts are managed for LOM, cracking and LOP, and others are only managed for LOP. If this were the case, then additional clarification or LRA updates would still be needed since LOM is still an expected aging effect for stainless steel bolting in an air-indoor uncontrolled (external) environment (see GALL item V.E.EP-70).

The FENOC staff explained the tables to the NRC staff by going over line items in specific tables and providing a detailed explanation of the AMR results and the subsequent AMR row assignments for stainless steel bolting. As noted by FENOC, the stainless steel bolting AMR results including the AMR row assignments are consistent with NRC guidelines. The NRC staff stated they were satisfied with the explanation.

SUBJECT: Summary of Telephone Conference Call conducted on June 29, 2011

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LICENSEE: FirstEnergy Nuclear Operating Company

FACILITY: Davis-Besse

SUBJECT: SUMMARY OF TELEPHONE CONFERENCE CALL HELD ON AUGUST 22, 2011 BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION AND FIRSTENERGY NUCLEAR OPERATING COMPANY, CONCERNING REQUESTS FOR ADDITIONAL INFORMATION PERTAINING TO THE DAVIS-BESSE, LICENSE RENEWAL APPLICATION (TAC. NO. ME4640)

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Enclosure 1 provides a listing of the participants and Enclosure 2 contains a description of the RAI response and 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  
License Renewal Branch, RPB1  
Division of License Renewal  
Office of Nuclear Reactor Regulation

Docket Number:50-346

Enclosures:

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

cc w/encls: See next page

LICENSEE: FirstEnergy Nuclear Operating Company

FACILITY: Davis-Besse

SUBJECT: SUMMARY OF TELEPHONE CONFERENCE CALL HELD ON AUGUST 22, 2011 BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION AND FIRSTENERGY NUCLEAR OPERATING COMPANY, CONCERNING REQUESTS FOR ADDITIONAL INFORMATION PERTAINING TO THE DAVIS-BESSE, LICENSE RENEWAL APPLICATION (TAC. NO. ME4640)

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TELEPHONE CONFERENCE CALL  
DAVIS-BESSE  
LICENSE RENEWAL APPLICATION

LIST OF PARTICIPANTS  
AUGUST 22, 2011

PARTICIPANTS

AFFILIATIONS

Samuel Cuadrado de Jesús	U.S. Nuclear Regulatory Commission (NRC)
John Kloss	NRC
Cliff Custer	FirstEnergy Nuclear Operating Company (FENOC)
Steve Dort	FENOC
Kathy Nesser	FENOC
Larry Hinkle	FENOC

## REQUESTS FOR ADDITIONAL INFORMATION

### LICENSE RENEWAL APPLICATION

AUGUST 22, 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 August 22, 2011, to discuss and clarify the following response to requests for additional information (RAIs) concerning the license renewal application (LRA).

#### **Response to RAI 3.2.2.2.3.6-2**

##### **Discussion:**

LRA Table 3.2.2-2, row 20 stainless steel piping components exposed to moist air are being managed for cracking by the One-Time Inspection Program. The AMR items cite generic note H. The AMR item also cites plant-specific note 0202, which states that the One-Time Inspection is being used to confirm the absence of aging effects or that aging is slow acting so as to not affect the subject component's intended function during the period of extended operation.

By letter dated May 2, 2011, the staff issued RAI 3.2.2.1.26-1 requesting that the applicant justify its use of the One-Time Inspection Program for managing these aging effects. In its response of June 3 the applicant stated that this item was deleted. However, the staff noted there was no evidence of this in the applicant letter dated May 24, 2011.

On this item there is no resolution if a proper periodic program will be used above the air water interface to manage this aging. RAI 3.2.2.2.3.6-2, was issued requesting resolution of this component in the Containment Spray System.

In its response dated August 13, 2011, the applicant did not state for Table 3.2.2-2, row 20, stainless steel piping in moist air (internal) exposed to cracking Containment Spray System, whether that item was a) retained in the One-Time Inspection program, b) documented for deletion or c) updated with an aging management program.

The staff finds the applicant's response not acceptable because the resolution concerning this line item is incomplete.

FENOC responded by stating that FENOC will provide a supplement to its response and the supplement will change the inspection from the One-Time Inspection program to the Miscellaneous Internals program. The supplemental response will be sent out by Friday, August 26, 2011. The NRC staff agreed and had no further questions.

#### **Response to the Supplemental Response – One-Time Inspection Methods**

##### **Discussion:**

The staff stated that Section A.1.30 is not in the enclosure and the teleconference in which this issue was discussed was held on 8/2/2011. The staff will like to clarify the reason why section A.1.30 wasn't amended and to clarify the date in which the teleconference was held.

FENOC stated that License Renewal Application Section A.1.30 was inadvertently listed in the response, but that Section A.1.30 did not need to be revised to include the table that was added to Section B.2.30 in the August 17, 2011, letter Enclosure. Section A.1.30 will be removed from the response and the corrected teleconference date of August 2, 2011, would be provided in a supplemental response that will be sent out by August 26, 2011. The NRC staff agreed and had no further questions.

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

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MMahoney  
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