

PMFermiCOLPEm Resource

From: Muniz, Adrian
Sent: Thursday, November 08, 2012 10:07 AM
To: Michael K Brandon
Cc: Eudy, Michael
Subject: RAI Letter # 80
Attachments: ML12300A404[2].pdf

Mike:

Please see attached a courtesy copy of RAI letter #80.

Thanks,

Adrian Muñiz, USNRC

Hearing Identifier: Fermi_COL_Public
Email Number: 1089

Mail Envelope Properties (Adrian.Muniz@nrc.gov20121108100600)

Subject: RAI Letter # 80
Sent Date: 11/8/2012 10:06:43 AM
Received Date: 11/8/2012 10:06:00 AM
From: Muniz, Adrian

Created By: Adrian.Muniz@nrc.gov

Recipients:

"Eudy, Michael" <Michael.Eudy@nrc.gov>
Tracking Status: None
"Michael K Brandon" <brandonm@dteenergy.com>
Tracking Status: None

Post Office:

Files	Size	Date & Time
MESSAGE	114	11/8/2012 10:06:00 AM
ML12300A404[2].pdf	84216	

Options

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

November 5, 2012

Mr. Peter W. Smith, Director
Nuclear Development
Licensing and Engineering
337 WCB
DTE Energy
One Energy Plaza
Detroit, MI 48226-1221

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 80 RELATED TO
CHAPTER 08.02 FOR THE FERMI 3 COMBINED LICENSE APPLICATION

Dear Mr. Davis:

By letter dated September 18, 2008, Detroit Edison Company (Detroit Edison) submitted for approval a combined license application pursuant to Title 10 of the *Code of Federal Regulations* (10 CFR) Part 52. The U.S. Nuclear Regulatory Commission (NRC) staff is performing a detailed review of this application to enable the staff to reach a conclusion on the safety of the proposed application.

The NRC staff has identified that additional information is needed to continue portions of the review. The staff's request for additional information (RAI) is contained in the enclosure to this letter. In order to minimize delays to the current licensing schedule, we request that you respond within 30-days of receipt of this RAI. However, Detroit Edison staff has requested 45 days to respond and the NRC has accepted this request.

If changes are needed to the safety analysis report, the staff requests that the RAI response include the proposed wording changes. If you have any questions or comments concerning this matter, I can be reached at 301-415-3104 or by e-mail at michael.eudy@nrc.gov.

Sincerely,

/RA/

Michael Eudy, Project Manager
Licensing Branch 3
Division of New Reactor Licensing
Office of New Reactors

Docket No.: 052-033

eRAI Tracking No.: 6886

Enclosure: Request for Additional Information

Mr. Peter W. Smith, Director
Nuclear Development
Licensing and Engineering
337 WCB
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One Energy Plaza
Detroit, MI 48226-1221

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Michael Eudy, Project Manager
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Enclosure:
Request for Additional Information

ADAMS Accession No.: ML12300A404

NRO-002

OFFICE	TR:DE/EEEE	BC:DE/EEEE	OGC	LPM:DNRL/LB3	LA:DNRL/LB3	PM:DNRL/LB3
NAME	RFitzpatrick	JAnderson	MCarpentier	AMuniz	SGreen	MEudy
DATE	10/9/2012	10/9/2012	10/15/12	10/26/12	11/05/2012	11/05/2012

*Approval captured electronically in the electronic RAI system.

OFFICIAL RECORD COPY

Letter to Mr. Peter W. Smith from Michael Eudy dated November 5, 2012.

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 80 RELATED TO
CHAPTER 08.02 FOR THE FERMI 3 COMBINED LICENSE APPLICATION

DISTRIBUTION:

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SGreen, NRO

MCarpentier, OGC

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RidsNroDnrLb3

A Muñiz, NRO

RFitzpatrick, NRR

JAnderson, NRR

Request for Additional Information 80

Application Title: Fermi Unit 3 - Docket Number 52-033

Operating Company: Detroit Edison

Docket No. 52-033

Review Section: 08.02 - Offsite Power System

QUESTION

08.02-18

On July 27, 2012, the NRC issued Bulletin 2012-01, "Design Vulnerability in Electric Power System," (Agencywide Documents Access and Management System (ADAMS) Accession Number ML12074A115) to all holders of operating licenses and combined licenses for nuclear power reactors requesting information about the facilities' electric power system designs, in light of the recent operating experience that involved the loss of one of the three phases of the offsite power circuit (single-phase open circuit condition) at Byron Station, Unit 2 to verify compliance with applicable regulations and to determine if further regulatory action is warranted.

In order to verify the applicants of new reactors have addressed the design vulnerability identified at Byron in accordance with the requirements specified in General Design Criterion (GDC) 17, "Electric Power Systems," in Appendix A, "General Design Criteria for Nuclear Power Plants," and the design criteria for protection systems under 10 CFR 50.55a(h)(3), please provide the following information:

- Describe the protection scheme design for important to safety buses (non-safety or safety-related) to detect and automatically respond to a single-phase open circuit condition or high impedance ground fault condition on credited offsite power circuits.
- If the important to safety buses are not powered by offsite power sources during at power condition, then explain how the surveillance tests are performed to verify that a single-phase open circuit condition or high impedance ground fault condition on an off-site power circuit is detected.
- Describe the plant operating procedures, including off-normal operating procedures, that specifically call for verification of the voltages on all three phases of the ESF buses.

Enclosure