

PMFermiCOLPEm Resource

From: Tai, Tom
Sent: Wednesday, May 02, 2012 10:35 AM
To: FermiCOL Resource
Cc: Muniz, Adrian
Subject: FW: NRC3-12-0013
Attachments: NRC3-12-0013.pdf

Tom Tai
DNRL/NRO
(301) 415-8484
Tom.Tai@NRC.GOV

From: Michael K Brandon [<mailto:brandonm@dteenergy.com>]
Sent: Wednesday, May 02, 2012 10:17 AM
To: Tai, Tom
Subject: Fw: NRC3-12-0013

FYI

Mike Brandon
Licensing - Manager
DTE Energy/MEP/Nuclear Development
313.235.0443

-----Forwarded by Michael K Brandon/Employees/dteenergy on 05/02/2012 10:16AM -----

To: Nicholas A Latzy/Employees/dteenergy@dteenergy
From: Ryan C Pratt/Employees/dteenergy
Date: 04/30/2012 01:02PM
Cc: Peter W Smith/Employees/dteenergy@dteenergy, Michael K Brandon/Employees/dteenergy@dteenergy
Subject: NRC3-12-0013

(See attached file: NRC3-12-0013.pdf)

Nick,

Here's the signed letter - should be good to provide to Adrian/Jerry.

Thanks,

Ryan Pratt
Nuclear Development - Licensing
313.235.0109

Hearing Identifier: Fermi_COL_Public
Email Number: 960

Mail Envelope Properties (0A64B42AAA8FD4418CE1EB5240A6FED17A33108BD8)

Subject: FW: NRC3-12-0013
Sent Date: 5/2/2012 10:35:08 AM
Received Date: 5/2/2012 10:35:10 AM
From: Tai, Tom

Created By: Tom.Tai@nrc.gov

Recipients:

"Muniz, Adrian" <Adrian.Muniz@nrc.gov>
Tracking Status: None
"FermiCOL Resource" <FermiCOL.Resource@nrc.gov>
Tracking Status: None

Post Office: HQCLSTR02.nrc.gov

Files	Size	Date & Time
MESSAGE	883	5/2/2012 10:35:10 AM
NRC3-12-0013.pdf	126442	

Options

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



10 CFR 52.79

April 30, 2012
NRC3-12-0013

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555-0001

- References:
- 1) Fermi 3
Docket No. 52-033
 - 2) Letter from Jerry Hale (USNRC) to Jack M. Davis (Detroit Edison), "Request for Additional Information Letter No. 70 Related to Chapters 2.0 and 3.0 for the Fermi 3 Combined License Application," dated January 18, 2012
 - 3) Letter from Peter W. Smith (Detroit Edison) to USNRC, "Detroit Edison Company Response to NRC Request for Additional Information Letter No. 70," NRC3-12-0003, dated February 16, 2012
 - 4) Letter from Peter W. Smith (Detroit Edison) to USNRC, "Detroit Edison Company Response to NRC Request for Additional Information Letter No. 70," NRC3-12-0007, dated March 1, 2012
 - 5) Letter from Peter W. Smith (Detroit Edison) to USNRC, "Detroit Edison Company Response to NRC Request for Additional Information Letter No. 70," NRC3-12-0008, dated March 23, 2012

Subject: Detroit Edison Company Response to NRC Request for Additional Information Letter No. 70

In Reference 2, the NRC requested additional information to support the review of certain portions of the Fermi 3 Combined License Application (COLA). Detroit Edison provided responses to several Requests for Additional Information (RAIs) associated with Reference 2 in References 3, 4, and 5, as well as a commitment to provide responses to the remaining RAIs by April 30, 2012.

The NRC conducted an audit of the Fermi 3 site-specific soil-structure interaction (SSI) analyses during the week of April 23, 2012. The audit included review of the site-specific site response calculations, site-specific SSI analyses, responses to RAIs included in References 3, 4, and 5, and the analyses performed to support Detroit Edison responses to the remaining RAIs in Reference 2.

To respond to the remaining RAIs in Reference 2, additional fully embedded site-specific SSI and structure-soil-structure interaction (SSSI) analyses were performed. As described in Reference 3, these analyses were performed with the SASSI2000 subtraction method. In Reference 3, Detroit Edison provided a comparison of the direct (flexible volume) and subtraction methods for the case with backfill neglected that demonstrated good correlation between methods. During the audit, the NRC questioned the extrapolation of this conclusion to the fully embedded case. Accordingly, the staff requested that Detroit Edison perform a validation with the direct method of the SASSI2000 program. Detroit Edison has agreed to provide a fully embedded analysis of the Control Building (CB) that utilizes the direct method, the most recent seismic inputs, and the best estimate (BE) soil profile for comparison with the subtraction method.

Due to the expanded scope of the analyses, Detroit Edison will provide responses to the remaining RAIs in Reference 2, including validation, no later than June 15, 2012. Additionally, supplemental responses to several RAIs in Reference 2 will be provided no later than June 15, 2012, to address questions raised by the staff during the audit.

If you have any questions, or need additional information, please contact me at (313) 235-3341.

I state under penalty of perjury that the foregoing is true and correct. Executed on the 30th day of April 2012.

Sincerely,



Peter W. Smith, Director
Nuclear Development – Licensing and Engineering
Detroit Edison Company

cc: Adrian Muniz, NRC Fermi 3 Project Manager
Jerry Hale, NRC Fermi 3 Project Manager
Michael Eudy, NRC Fermi 3 Project Manager
Bruce Olson, NRC Fermi 3 Environmental Project Manager
Fermi 2 Resident Inspector
NRC Region III Regional Administrator
NRC Region II Regional Administrator
Supervisor, Electric Operators, Michigan Public Service Commission
Michigan Department of Natural Resources and Environment
Radiological Protection Section