

## PMFermiCOLPEm Resource

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**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](mailto:Tom.Tai@NRC.GOV)

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**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

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
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

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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 30<sup>th</sup> 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