

DTE Energy
One Energy Plaza, Detroit, MI 48226-1279



10 CFR 52.79

April 26, 2013
NRC3-13-0015

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

- References:
- 1) Fermi 3
Docket No. 52-033
 - 2) Letter from Peter W. Smith (Detroit Edison) to USNRC, "Detroit Edison Company Interim Response to NRC Request for Additional Information Letter Nos. 77 and 79," NRC3-12-0033, dated December 14, 2012
 - 3) Letter from Peter W. Smith (DTE Electric) to USNRC, "DTE Electric Company Response to NRC Request for Additional Information Letter No. 82," NRC3-13-0007, dated February 8, 2013
 - 4) Letter from Peter W. Smith (DTE Electric) to USNRC, "DTE Electric Company Supplemental Response to NRC Request for Additional Information Letter No. 77," NRC3-13-0011, dated March 15, 2013
 - 5) Letter from Peter W. Smith (DTE Electric) to USNRC, "DTE Electric Company Updated Response to NRC Request for Additional Information Letter No. 77," NRC3-13-0004, dated January 25, 2013

Subject: DTE Electric Company Submittal of FSAR Subsection 3.7.1 Markups

In Reference 2, DTE Electric Company committed to submit markups of Final Safety Analysis Report (FSAR) Subsection 3.7.1 that incorporate the revised site-specific soil-structure interaction (SSI) seismic inputs based on the Central and Eastern United States (CEUS) Seismic Source Characterization (SSC) model by April 26, 2013. Additionally, in Reference 3, DTE Electric committed to incorporate the methods described in the responses to Requests for Additional Information (RAIs) 03.07.02-10 and 02.05.02-20 into the FSAR Subsection 3.7.1 markups, as the responses to those RAIs impacted the development of the revised site-specific SSI seismic inputs.

Attachment 1 to this response provides markups of FSAR Subsection 3.7.1 as well as markups to other FSAR sections that are impacted by the change in seismic hazard model from the EPRI

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Seismicity Owners Group (SOG) to CEUS SSC. Reference 4 provided markups of FSAR Subsection 2.5.2, which provides a detailed description of the vibratory ground motion assessments that were carried out for the Fermi 3 site based on the CEUS SSC model.

Attachments 2 and 3 to this response provide supplemental responses to RAIs 03.07.02-10 and 02.05.02-20, respectively, which describe how the responses to those RAIs were incorporated into the development of the revised site-specific SSI seismic inputs and the markups of FSAR Subsection 3.7.1.

In Reference 5, DTE Electric committed to provide additional electronic files containing data and analysis results related to the response to RAI 01.05-1. The development of the Performance-Based Surface Response Spectra (PBSRS) and Foundation Input Response Spectra (FIRS) is described in the markups of FSAR Subsection 3.7.1 provided in Attachment 1. As such, revised responses to NRC Data Requests 7 and 8 are provided in Attachment 4. Attachment 4 includes a CD containing electronic files as requested by the NRC staff. The file format and names on the enclosed CD do not comply with the requirements for electronic submission in the NRC Guidance Document, "Guidance for Electronic Submission to the NRC," Revision 6, dated May 17, 2010; the files are not "pdf" formatted. The NRC staff requested the files be submitted in their native formats required by the software in which they are utilized in order to support NRC review of the Fermi 3 COLA.

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 26th day of April 2013.

Sincerely,



Peter W. Smith, Director
Nuclear Development – Licensing and Engineering
DTE Electric Company

Attachments: 1) FSAR Markups
 2) Supplemental Response to RAI Letter No. 82 (RAI 03.07.02-10)
 3) Supplemental Response to RAI Letter No. 82 (RAI 02.05.02-20)
 4) Revised Responses to NRC Data Requests 7 and 8

cc: Adrian Muniz, NRC Fermi 3 Project Manager
 Tekia Govan, NRC Fermi 3 Project Manager
 Michael Eudy, NRC Fermi 3 Project Manager (w/o attachments)
 Bruce Olson, NRC Fermi 3 Environmental Project Manager (w/o attachments)
 Fermi 2 Resident Inspector (w/o attachments)
 NRC Region III Regional Administrator (w/o attachments)
 NRC Region II Regional Administrator (w/o attachments)

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cc: (continued)
Supervisor, Electric Operators, Michigan Public Service Commission (w/o attachments)
Michigan Department of Natural Resources and Environment
Radiological Protection Section (w/o attachments)