



10 CFR 52.79

June 18, 2012  
NRC3-12-0018

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. 77 Related to Chapter 1.05 for the Fermi 3 Combined License Application," dated May 17, 2012  
3) SECY-12-0025, "Proposed Orders and Requests for Information in Response to Lessons Learned from Japan's March 11, 2011, Great Tohoku Earthquake and Tsunami," dated February 17, 2012

Subject: Detroit Edison Company Response to NRC Request for Additional Information Letter No. 77

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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). The Requests for Additional Information (RAIs) in Reference 2 address the Fukushima Near-Term Task Force recommendations contained in Reference 3.

As described to the staff during a public meeting on June 14, 2012, analyses required to respond to RAI 01.05-1 will be performed to calculate site-specific ground motion response spectra (GMRS) and foundation input response spectra (FIRS), consistent with FSAR Subsection 2.5.2, based on the newly released central and eastern United States (CEUS) seismic source characterization (SSC) model (NUREG-2115). We anticipate that the analyses will be completed to support submittal of the response to RAI 01.05-1 by August 24, 2012. This is based on the assumption that the deaggregation earthquakes (DEs) from the probabilistic seismic hazard analysis (PSHA) using the CEUS SSC model will produce magnitude-distance pairs that are similar to the Fermi 3 PSHA presented in the FSAR, in which case the site amplification functions presented in the FSAR can be used to calculate the GMRS and FIRS. In the unexpected event that the DEs from the PSHA using the CEUS SSC model are not similar to the Fermi 3 PSHA presented in the FSAR, further analysis will be required to calculate appropriate site amplification functions. We expect that this comparison will be confirmed by July 31, 2012, at which time any schedule revisions will be communicated to the staff.

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The response to RAI 01.05-2 will be submitted no later than July 16, 2012, as requested by the staff.

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 18<sup>th</sup> day of June 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