



10 CFR 52.79

May 27, 2011
NRC3-11-0015

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 Response to the Fermi 3 COLA Review Schedule Milestone Changes," dated September 21, 2010
 - 3) Letter from Peter W. Smith (Detroit Edison) to USNRC, "Detroit Edison Company Response to the Fermi 3 COLA Review Schedule Milestone Changes – Update," dated November 9, 2010
 - 4) Letter from Jerry Hale (USNRC) to Jack M. Davis (Detroit Edison), "Request for Additional Information Letter No. 55 Related to the SRP Section 2.5.4 for the Fermi 3 Combined License Application," dated April 28, 2011

Subject: Schedule for the Submittal of Site-Specific Soil-Structure Interaction Analysis and Response to NRC Request for Additional Information Letter No. 55

In Reference 2, Detroit Edison indicated to the NRC that a site-specific Soil-Structure Interaction (SSI) analysis was being performed to address the soil properties requirements for Seismic Category I backfill that were incorporated into ESBWR DCD Revision 7. In Reference 3, Detroit Edison indicated to the NRC that the soil properties could be satisfied and that a site-specific SSI analysis would no longer be submitted as part of the Combined License Application (COLA).

In Reference 4, the NRC requested additional information to support the review of certain portions of the Fermi 3 COLA. While developing responses to Requests for Additional Information (RAIs) 02.05.04-37 and 02.05.04-38, it was recognized that there is not a practical backfill design that would be satisfactory to NRC staff and would meet the DCD soil properties

requirements. In the event that the generic soil properties requirements cannot be satisfied, the DCD allows the applicant to demonstrate the adequacy of the standard plant design by performing a site-specific SSI analysis. As such, Detroit Edison plans to incorporate our completed site-specific SSI analysis as the means for complying with the DCD. The site-specific SSI analysis uses the same methodology as the standard SSI analysis presented in the DCD.

The approach to the responses to RAIs 02.05.04-37 and 02.05.04-38 has been significantly altered by the decision to incorporate the site-specific SSI analysis. Detroit Edison will provide responses to RAIs 02.05.04-37 and 02.05.04-38 and associated COLA markups no later than June 17, 2011. These COLA markups will include the incorporation of the site-specific SSI analysis.

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 27th day of May 2011.

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
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