



10 CFR 52.79

August 14, 2013  
NRC3-13-0028

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

Subject: DTE Electric Company Submittal of SSSI Sensitivity Study Analysis Report

In Reference 2, DTE Electric Company provided a series of schedule milestones related to the site-specific soil-structure interaction (SSI) analyses that are being performed to support the response to Request for Additional Information (RAI) Letter No. 79. DTE Electric committed to submit a summary report of the structure-soil-structure interaction (SSSI) sensitivity study analyses by August 15, 2013. Attachment 1 provides the SSSI sensitivity study analysis summary report, entitled "SSSI Sensitivity Studies of CB and FWSC with Engineered Backfill Summary Report."

The results presented in the SSSI sensitivity study summary report show that the in structure seismic responses obtained from these analyses are bounded by the corresponding responses in the ESBWR DCD, with substantial margin. This is the final submittal of interim results prior to our final RAI responses that are to be submitted by September 30, 2013. The remaining evaluations, which rely on the suite of analyses performed to date, are the evaluation of stability and the evaluation of the lateral wall pressures. The results of the stability and lateral wall pressure evaluations will be included as part of the final RAI responses.

DOGS  
NRD

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 15<sup>th</sup> day of August 2013.

Sincerely,



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

Attachment: 1) Sargent & Lundy Report SL-011960, "SSSI Sensitivity Studies of CB and FWSC with Engineered Backfill Summary Report," Revision 0, dated August 13, 2013

cc: Adrian Muniz, NRC Fermi 3 Project Manager  
Tekia Govan, NRC Fermi 3 Project Manager  
Bruce Olson, NRC Fermi 3 Environmental Project Manager (w/o attachment)  
Fermi 2 Resident Inspector (w/o attachment)  
NRC Region III Regional Administrator (w/o attachment)  
NRC Region II Regional Administrator (w/o attachment)  
Supervisor, Electric Operators, Michigan Public Service Commission (w/o attachment)  
Michigan Department of Natural Resources and Environment  
Radiological Protection Section (w/o attachment)