



10 CFR 52.79

February 1, 2012  
NRC3-12-0004

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. 69 Related to Chapter 1.0 for the Fermi 3 Combined License Application," dated November 9, 2011
  - 3) Letter from Peter W. Smith (Detroit Edison) to USNRC, "Detroit Edison Company Response to NRC Request for Additional Information Letter No. 69," NRC3-11-0044, dated December 07, 2011

Subject: Detroit Edison Company Supplemental Response to NRC Request for Additional Information Letter No. 69

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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). Response to the Request for Additional Information (RAI) was provided in Reference 3. Attachment 1 of this letter provides a supplemental response to Reference 3 as discussed in the attachment.

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 1<sup>st</sup> day of February 2012.

Sincerely,

A handwritten signature in black ink, appearing to be "PWS", written over a horizontal line.

Peter W. Smith, Director  
Nuclear Development – Licensing and Engineering  
Detroit Edison Company

DO95  
NR20

Attachment: 1) Supplemental Response to RAI Letter No. 69, RAI Question No. 01-7

cc: Adrian Muniz, NRC Fermi 3 Project Manager  
Jerry Hale, NRC Fermi 3 Project Manager (w/o attachments)  
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)  
Supervisor, Electric Operators, Michigan Public Service Commission (w/o attachments)  
Michigan Department of Natural Resources & Environment, Radiological Protection  
Section (w/o attachments)

**Attachment 1**

**NRC3-12-0004**

**Supplemental Response to RAI Letter No. 69**

**RAI Question No. 01-7  
(eRAI Tracking No. 6146)**

**(2 pages)**

**NRC RAI 01-7(Supplemental Information Request):**

*In a January 12, 2012, teleconference between the NRC and Detroit Edison, the NRC asked Detroit Edison to submit a docketed statement providing the strategic significance classification (Category I – strategic, Category II – moderate strategic significance, Category III – low strategic significance as defined in 10 CFR 70.4) of the fuel for the initial core load at Fermi 3.*

**Supplemental Response**

Detroit Edison provided a response to NRC Letter No. 69, RAI 01-7 (eRAI Tracking No. 6146) within Detroit Edison letter NRC3-11-0044, dated December 07, 2011 (ML11343A014). The following supplements this RAI response.

The Special Nuclear Material (SNM) in the form of new reactor fuel for Fermi 3 is Category III, SNM of low strategic significance, as defined in 10 CFR 70.4. The new reactor fuel at the facility will not exceed a U-235 isotope enrichment of 10 percent. ESBWR DCD Reference 4.3-10, Global Nuclear Fuel, "GE14E for ESBWR Initial Core Nuclear Design Report," NEDC-33326-P-A, Class III (Proprietary), Revision 1, September 2010, NEDO-33326-A, Class I (Non-proprietary), Revision 1, September 2010 provides detailed information on the reactor fuel.

**Proposed COLA Revision**

None