

PMFermiCOLPEm Resource

From: Muniz, Adrian
Sent: Wednesday, May 16, 2012 2:22 PM
To: Michael K Brandon; Nicholas A Latzy
Cc: Hale, Jerry; FermiCOL Resource
Subject: Fermi 3 COLA Draft RAI 6446
Attachments: RAI 6446 (4).doc

Please see attached the draft RAI 6446 (RAI letter # 77) related to the Fukushima recommendations. This replaces the draft RAI transmitted to you by electronic mail on May 9, 2012. Please note that the questions related to Fukushima Recommendations 4.2 and 7.1 have been deleted from this RAI. The NRC staff is assessing the need to ask these questions to Fermi versus addressing them as part of the ESBWR DCD. After a determination is made, we may transmit to you questions related to these two recommendations.

Should you have any questions, don't hesitate to contact me.

Thanks,

Adrian Muñoz, US NRC

Hearing Identifier: Fermi_COL_Public
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5/10/2012

Fermi Unit 3

Detroit Edison

Docket No. 52-033

SRP Section: 01.05 - Other Regulatory Considerations

Application Section: Various FSAR Sections - Final SER Chapter 20

QUESTIONS for ESBWR/ABWR Projects 1 (NGE1)

01.05-1

This request for additional information (RAI) specifically addresses Recommendation 2.1, of the Fukushima Near-Term Task Force recommendations contained in SECY-12-0025 as it pertains to the seismic hazard evaluation. This recommendation specifies the use of NUREG-2115, "Central and Eastern United States Seismic Source Characterization for Nuclear Facilities," (CEUS-SSC) in a site probabilistic seismic hazard analysis (PSHA). Consistent with Recommendation 2.1, as well as the need to consider the latest available information in the (PSHA) for the Fermi Unit 3 planned reactor site, the NRC staff requests that Detroit Edison:

a) Evaluate the potential impacts of the newly released CEUS-SSC model, with potential local and regional refinements as identified in the CEUS-SSC model, on the seismic hazard curves and the site-specific ground motion response spectra (GMRS)/foundation input response spectra (FIRS). For re-calculation of the PSHA, please follow either the cumulative absolute velocity (CAV) filter or minimum magnitude specifications outlined in Attachment 1 to Seismic Enclosure 1 of the March 12, 2012 letter " Request for information pursuant to Title 10 of the Code of Federal Regulations 50.54(f) regarding recommendations 2.1,2.3, and 9.3, of the near-term task force review of insights from the Fukushima Dai-ichi accident." (ML12053A340).

b) Modify the site-specific GMRS and FIRS if you determine changes are necessary given the evaluation performed in part a) above.

In order to minimize delays to the current licensing schedule, we request that you respond within 60-days of receipt of this RAI or provide a schedule for your response within 30-days.

01.05-2

The NRC staff has been directed by the Commission to implement the Fukushima Near-Term Task Force recommendations contained in 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. Request For Information Pursuant To Title 10 Of The *Code of Federal Regulations* 50.54(F) Regarding Recommendations 2.1, 2.3, and 9.3, of the Near-Term Task Force Review of Insights from the Fukushima Dai-Ichi Accident (ADAMS Accession No. ML12073A348) for all power reactor licensees and holders of construction permits in active or deferred status requires additional information specific to Recommendation 9.3, "Emergency Preparedness: Communications." The NRC staff requests that you assess the communications systems and equipment used during an emergency event as described

in Enclosure 5 of this request for information (ADAMS Accession No. ML12056A051), including any proposals for changes to your current application.

In order to minimize delays to the current licensing schedule, we request that you respond within 60-days of receipt of this RAI or provide a schedule for your response within 30-days.