

January 11, 2010

Mr. Jack M. Davis
Senior Vice President and Chief Nuclear Officer
Detroit Edison Company
Fermi 2 – 210 NOC
6400 North Dixie Highway
Newport, MI 48166

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 22 RELATED TO
THE SRP SECTION 2.5.2 FOR THE FERMI 3 COMBINED LICENSE
APPLICATION

Dear Mr. Davis:

By letter dated September 18, 2008, Detroit Edison Company (Detroit Edison) submitted for approval a combined license application pursuant to 10 CFR Part 52. The U.S. Nuclear Regulatory Commission (NRC) staff is performing a detailed review of this application to enable the staff to reach a conclusion on the safety of the proposed application.

The NRC staff has identified that additional information is needed to continue portions of the review. The staff's request for additional information (RAI) is contained in the enclosure to this letter. To support the review schedule, you are requested to respond within 45 days of the date of this letter. If changes are needed to the safety analysis report, the staff requests that the RAI response include the proposed wording changes.

If you have any questions or comments concerning this matter, I can be reached at 301-415-3179 or by e-mail at ilka.berrios@nrc.gov.

Sincerely,

/RA/

Ilka T. Berrios, Project Manager
ESBWR/ABWR Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 052-033

eRAI Tracking No. 3937

Enclosure:
Request for Additional Information

January 11, 2010

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Senior Vice President and Chief Nuclear Officer
Detroit Edison Company
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SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 22 RELATED TO
THE SRP SECTIONS 2.5.2 FOR THE FERMI 3 COMBINED LICENSE
APPLICATION

Dear Mr. Davis:

By letter dated September 18, 2008, Detroit Edison Company (Detroit Edison) submitted for approval a combined license application pursuant to 10 CFR Part 52. The U.S. Nuclear Regulatory Commission (NRC) staff is performing a detailed review of this application to enable the staff to reach a conclusion on the safety of the proposed application.

The NRC staff has identified that additional information is needed to continue portions of the review. The staff's request for additional information (RAI) is contained in the enclosure to this letter. To support the review schedule, you are requested to respond within 45 days of the date of this letter. If changes are needed to the safety analysis report, the staff requests that the RAI response include the proposed wording changes.

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ESBWR/ABWR Projects Branch 1
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Enclosure:
Request for Additional Information

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*Approval captured electronically in the electronic RAI system.

Request for Additional Information No. 3937

Fermi Unit 3
Detroit Edison
Docket No. 52-033
SRP Section: 02.05.02 - Vibratory Ground Motion
Application Section: 2.5.2

02.05.02-10

In order for the staff to verify the adequacy of the Fermi 3 site PSHA relative to the seismicity in the Anna, Ohio and Northeast Ohio areas, please provide the input source parameters (e.g. activity rates) as well as the specific source geometries used by each of the EPRI Teams to model these two potential sources. In addition, provide the corresponding PSHA hazard curves for these two sources.