



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

February 11, 2015

Mr. Vito Kaminskas
Site Vice President - Nuclear Generation
DTE Electric Company
Fermi 2 - 280 OBA
6400 North Dixie Highway
Newport, MI 48166

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION FOR THE REVIEW OF THE
FERMI 2 LICENSE RENEWAL APPLICATION – SET 21 (TAC NO. MF4222)

Dear Mr. Kaminskas:

By letter dated April 24, 2014, DTE Electric Company (DTE or the applicant) submitted an application pursuant to Title 10 of the *Code of Federal Regulations* Part 54, to renew the operating license NPF-43 for Fermi 2, for review by the U.S. Nuclear Regulatory Commission (NRC or the staff). The staff is reviewing the information contained in the license renewal application and has identified, in the enclosure, areas where additional information is needed to complete the review.

This request for additional information was discussed with Ms. Lynne Goodman, and a mutually agreeable date for the response is within 30 days from the date of this letter. If you have any questions, please contact me at 301-415-3301 or e-mail Daneira.Melendez-Colon@nrc.gov.

Sincerely,

/RA/

Daneira Meléndez-Colón, Project Manager
Projects Branch 1
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket No. 50-341

Enclosure:
Requests for Additional Information

cc w/encl: ListServ

Mr. Vito Kaminskas
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FERMI 2, LICENSE RENEWAL APPLICATION – SET 21 (TAC NO. MF4222)

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**FERMI 2
LICENSE RENEWAL APPLICATION
REQUEST FOR ADDITIONAL INFORMATION SET 21
(TAC NO. MF4222)**

RAI B.1.38-2a

Background:

By letter dated January 5, 2015, the applicant responded to RAI B.1.38-2 that addressed the implementation schedule for the applicant's program enhancement regarding data sharing of new fluence projections and adjusted reference temperatures (ARTs). In its response, the applicant indicated that Boiling Water Reactor Vessel and Internals Project (BWRVIP)-135, Revision 2, provides the guidance to ensure that the transmittal of new fluence projections and associated ART tables in support of license renewal are shared with the BWRVIP. The applicant also indicated that the requirements in BWRVIP-86, Revision 1, or BWRVIP-135, Revision 2, do not specify a specific time period in which new fluence projections and ART tables should be provided to the BWRVIP for the BWRVIP Integrated Surveillance Program (ISP). The applicant further indicated that the intent of the enhancement committing that the identified information would be provided prior to the period of extended operation with a commitment date of September 20, 2024, is to formalize the need for information exchange, specifically for license renewal. In addition, the applicant stated that it has had no previous issues in promptly submitting changes affecting the requested information to the BWRVIP.

During its review of the RAI response, the staff noted that Section 5.7, "Planning for ISP Changes," of BWRVIP-86, Revision 1, states:

As time progresses, actual plant operating experience will provide more accurate data about each plant for predicting end-of-life vessel fluences and target capsule fluence values. This information will be factored into the ISP planning and, if necessary, adjustments will be made to the remaining capsule test matrix and withdrawal schedule in order to maintain an optimized program. Minor reassessments in the ISP test matrix will take into account plant-specific variations in scheduled withdrawal dates due to modifications in fuel cycles, or changes in target fluences caused by power uprates or variation in capacity factor. For example, target fluences in the original plan assume a nominal capacity factor of 80 percent for all BWR plants, and actual plant operation may vary from this assumed value.

Issue:

The staff noted that BWRVIP-86, Revision 1, indicates that the BWRVIP ISP continues to consider updated reactor vessel fluence values in the ISP planning in order to maintain an optimized program. The staff also noted that, upon receipt of a renewed license, the new fluence projections and adjusted reference temperatures are incorporated into the applicant's current licensing basis (CLB). The staff noted that this CLB information should be communicated with the BWRVIP in a timely manner in order to ensure the effectiveness of the

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ISP. By contrast, the staff noted that the applicant's response did not provide sufficient justification for why the applicant's enhancement regarding the data sharing will be implemented prior to the period of extended operation, but not within a specific time period upon receipt of a renewed license.

In addition, it is not clear to the staff what the time frame is for sharing flume projections and associated ARTs with the BWRVIP when these values are revised.

Request:

1. Provide sufficient justification for why the applicant's program enhancement regarding the data sharing of new flume projections and associated ARTs will not be implemented within a specific time period upon receipt of a renewed license. In addition, clarify the timeframe for sharing flume projections and associated ARTs with the BWRVIP when these values are revised (e.g., revised data will be shared with the BWRVIP within a specific time period upon the revision).