



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

September 5, 2014

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

SUBJECT: PLAN FOR THE AGING MANAGEMENT PROGRAM REGULATORY AUDIT
REGARDING THE FERMI 2 LICENSE RENEWAL APPLICATION REVIEW
(TAC NO. MF4222)

Dear Mr. Kaminskas:

By letter, dated April 24, 2014, DTE Electric Company (DTE or the applicant) submitted an application for renewal of operating license NPF-43 for the Fermi 2 Nuclear Power Plant (Fermi 2). The staff of the U.S. Nuclear Regulatory Commission (NRC or the staff) is reviewing this application in accordance with the guidance in NUREG-1800, "Standard Review Plan for Review of License Renewal Applications for Nuclear Power Plants."

The staff plans to conduct its Aging Management Program regulatory audit at Fermi 2 during the weeks of September 15–19, 2014, and September 29–October 3, 2014, in accordance with the enclosed regulatory audit plan. If you have any questions, please contact me by telephone at 301-415-3301 or by e-mail at 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: Audit Plan
cc w/encl: Listserv

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ADAMS Accession Number: ML14237A194

*Concurred via telephone

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DATE	9/5/14	9/5/14		

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Audit Plan

Aging Management Program Review for the Fermi 2 Nuclear Power Plant License Renewal Application

**Division of License Renewal
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission**

ENCLOSURE

License Renewal Aging Management Program Audit Plan Fermi 2 Nuclear Power Plant

1. Background

By letter dated April 24, 2014, DTE Electric Company (DTE or the applicant), submitted to the U.S. Nuclear Regulatory Commission (NRC or the staff) its application for renewal of operating license no. NPF-43 for the Fermi 2 Nuclear Power Plant (Fermi 2). Fermi 2 requested renewal of operating license for an additional 20 years beyond the 40-year current license term, which expires on March 20, 2025. The staff from the Division of License Renewal will lead a regulatory audit to gain a better understanding of the applicant's aging management programs (AMPs), aging management reviews, and associated bases and documentation as applicable.

2. Regulatory Audit Bases

License renewal requirements are specified in Title 10 of the *Code of Federal Regulations* (CFR), Part 54 (10 CFR Part 54), "Requirements for Renewal of Operating Licenses for Nuclear Power Plants." Guidance is provided in NUREG-1800, Rev. 2, "Standard Review Plan for Review of License Renewal Applications for Nuclear Power Plants" (SRP-LR), dated December 2010, and NUREG-1801, Rev. 2, "Generic Aging Lessons Learned (GALL) Report," dated December 2010.

3. Regulatory Audit Scope

The scope of this regulatory audit is to: (a) examine the applicant's AMPs for Fermi 2; and (b) verify the applicant's claims of consistency with the corresponding GALL Report AMPs. Enhancements to AMPs will be evaluated on a case-by-case basis. Exceptions to the GALL Report AMP elements will be evaluated separately as part of the NRC staff's review of the license renewal application (LRA), and will be documented in the staff's safety evaluation report.

The SRP-LR allows an applicant's LRA to reference its AMPs as being consistent with the AMPs described in the GALL Report. By referencing the GALL Report AMPs in this manner, the applicant is concluding that its AMPs correspond to those AMPs and that no further staff review should be required. If an applicant credits an AMP for being consistent with a GALL Report program, it is incumbent on the applicant to ensure that the plant program contains all of the elements of the referenced GALL Report program. The applicant's determination shall be documented and maintained in an auditable, retrievable form.

During this audit, the staff will audit program elements 1 - 6 (scope, preventive actions, parameters monitored or inspected, detection of aging effects, monitoring and trending, and acceptance criteria), and program element 10 (operating experience), of the applicant's AMPs claimed to be consistent with the GALL Report against the equivalent elements of the associated AMP described in the GALL Report, unless otherwise indicated. Program elements 7 - 9 (corrective actions, confirmation process, and administrative controls) were audited by another NRC project team during the scoping and screening methodology audit, and were evaluated separately. In addition, the staff will verify that the conditions at the plant are bounded by the conditions for which the GALL Report program was evaluated.

The staff will also examine the applicant's program bases documents and related references for these AMPs, perform selected in-plant walkdowns, and interview applicant representatives to obtain additional clarification related to the AMPs.

4. Information and Other Material Necessary for the Regulatory Audit

The project team will review the license renewal application, the AMP basis documents and other applicant supporting documents as appropriate.

The project team would like for at least one hard-copy set of AMPs, AMP basis documents, and all other relevant documentation to be available in the team's work room.

Work space and team support logistics:

One general team work area with seating and laptop space for 18 people.

Three break-out rooms for question/answer/small group sessions and meetings, so that work in the main room will not be disrupted.

Telephone access for in-plant and/or outside business-related calls. The break-out rooms should also have speaker phone capability for conference calls.

Access to printers for printing out drafts, draft requests for additional information, review comments, schedules, and so on.

Access to a copier for making duplicates for team use, meeting agendas and so on

5. Team Assignments

NRC staff participation is projected as follows (some deletions, additions or substitutions may occur on an as-needed basis):

Week of September 15, 2014:

Assigned Auditor	Area of Review
Daneira Meléndez-Colón	Project Manager
Dennis C. Morey	Branch Chief
Christopher J. Hovanec	Mechanical and Materials
Samuel Cuadrado De Jesus	Structural
William (Bill) C. Holston	Mechanical and Materials
Mathew J. Homiack	Mechanical and Materials
Zhengguang Bart Fu	Mechanical and Materials
Seung K. Min	Mechanical and Materials
Mark L. Yoo	Mechanical and Materials
Cliff K. Doult	Electrical
James A. Gavula	Mechanical and Materials
Varoujan A. Kalikian (Roger)	Mechanical and Materials
Juan Lopez Ferrer	Structural

Assigned Auditor	Area of Review
Giovanni Facco	Mechanical and Materials
Donald M. Brittner	Operating Experience
Angela R. Buford	Structural
Alice K. Erickson	Structural

Week of September 29, 2014:

Assigned Auditor	Area of Review
Daneira Meléndez-Colón	Project Manager
Jeffrey S. Mitchell	Project Manager
Michael L. Marshall	Branch Chief
Aloysius Obodoako	Mechanical and Materials
Kimberly J. Green	Mechanical and Materials
Gautam K. Banerjee	Structural
Andrew Prinari	Structural
William A. Gardner	Mechanical and Materials
John W. Wise	Mechanical and Materials
Evelyn H. Gettys	Electrical
Cliff K. Doult	Electrical
Mohammad Saddollah	Electrical
George Thomas	Structural
Donald M. Brittner	Operating Experience

6. Logistics

The audit will be conducted on-site during the weeks of September 15 - 19, 2014, and September 29 - October 3, 2014. Entrance and exit briefings will be held at the beginning and end of this audit, respectively.

Each week's activities will begin on Monday morning and are normally planned to extend through part of the day Friday. Normally a status briefing should be held at the close of a day's activities to highlight progress and any special issues identified, and to review and/or adjust the schedule for the next day's work.

7. Special Requests

The staff requests the applicant to make available the license renewal application program basis documentation and license renewal drawings (hard copy), and their condition report database (electronic version access) for independent searches by the regulatory audit team. Electronic copies of the Key-word Search Results should be made available for the staff's use while on-site. Applicant personnel responsible for or involved with the various programs should also be available.

8. Deliverables

An audit summary report should be issued to the applicant, normally within 90 days from the end of the audit.