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10 CFR 2.202

August 27, 2015  
NRC-15-0086

U. S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, DC 20555-0001

- References:
- 1) Fermi 2  
NRC Docket No. 50-341  
NRC License No. NPF-43
  - 2) NRC Order EA-12-051, "Issuance of Order to Modify Licenses with Regard to Reliable Spent Fuel Pool Instrumentation," dated March 12, 2012 (ADAMS Accession No. ML12054A682)
  - 3) NRC Interim Staff Guidance JLD-ISG-2012-03, "Compliance with Order EA-12-051, Reliable Spent Fuel Pool Instrumentation," Revision 0, dated August 29, 2012 (ADAMS Accession No. ML1221A339)
  - 4) NEI 12-02, "Industry Guidance for Compliance with NRC Order EA-12-051, 'To Modify Licenses with Regard to Reliable Spent Fuel Pool Instrumentation'," Revision 1, dated August, 2012 (ADAMS Accession No. ML12240A307)
  - 5) DTE Electric Company letter, NRC-12-0063, "Detroit Edison's Initial Status Report in Response to March 12, 2012 Commission Order Modifying Licenses With Regard to Requirements for Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051)," dated October 19, 2012 (ADAMS Accession No. ML12296A040)
  - 6) DTE Electric Company letter, NRC-13-0006, "DTE Electric Overall Integrated Plan in Response to March 12, 2012 Commission Order Modifying Licenses with Regard to Requirements for Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051)," dated February 28, 2013 (ADAMS Accession No. ML13063A285)

Subject: DTE Electric Company Fifth Six-Month Status Report in Response to March 12, 2012 Commission Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051)

On March 12, 2012, the Nuclear Regulatory Commission (NRC) issued an order (Reference 2) to DTE Electric Company (DTE). Reference 2 was immediately effective and directed DTE to install reliable spent fuel pool water level indication. Specific requirements are provided in Attachment 2 of Reference 2.

Reference 2 required submission of an initial status report 60 days following issuance of the final interim staff guidance (Reference 3) and an overall integrated plan pursuant to Section IV, Condition C. Reference 3 endorses industry guidance document NEI 12-02, Revision 1 (Reference 4) with clarifications and exceptions identified in Reference 3. Reference 5 provided the DTE initial status report regarding spent fuel pool instrumentation. Reference 6 provided the DTE overall integrated plan.

Reference 2 requires submission of a status report at six-month intervals following submittal of the overall integrated plan. Reference 4 provides direction regarding the content of the status reports. The purpose of this letter is to provide the fifth six-month status report pursuant to Section IV, Condition C.2, of Reference 2, that delineates progress made in implementing the requirements of Reference 2. The enclosed report provides an update of milestone accomplishments since the last status report.

This letter contains no new regulatory commitments.

Should you have any questions or require additional information, please contact Mr. Christopher Robinson, Licensing Manager at (734) 586-5076.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on August 27, 2015



Vito A. Kaminskas  
Site Vice President

Enclosure: DTE Electric Company's Fifth Six-Month Status Report for the Implementation of Order EA-12-051, Order Modifying Licenses with Regard to Requirements for Reliable Spent Fuel Pool Instrumentation

cc: Director, Office of Nuclear Reactor Regulation  
NRC Project Manager  
NRC Resident Office  
Reactor Projects Chief, Branch 5, Region III  
Regional Administrator, Region III  
Michigan Public Service Commission  
Regulated Energy Division (kindschl@michigan.gov)

**Enclosure to  
NRC-15-0086**

**Fermi 2 NRC Docket No. 50-341  
Operating License No. NPF-43**

**DTE Electric Company's Fifth Six-Month Status Report for the Implementation  
of Order EA-12-051, Order Modifying Licenses with Regard to  
Requirements for Reliable Spent Fuel Pool Instrumentation**

**DTE Electric Company's Fifth Six-Month Status Report for the Implementation  
of Order EA-12-051, Order Modifying Licenses with Regard to  
Requirements for Reliable Spent Fuel Pool Instrumentation**

**1. Introduction**

DTE Electric Company (DTE) developed an Overall Integrated Plan (Reference 7.1), documenting the requirements to install reliable spent fuel pool level instrumentation (SFP LI), in response to Reference 7.2. This enclosure provides an update of milestone accomplishments since submittal of the Overall Integrated Plan.

**2. Milestone Accomplishments**

SFP LI Training was completed.

**3. Milestone Schedule Status**

The following provides a milestone schedule to support the Overall Integrated Plan. This section provides the activity status of each item, and the expected completion date. The dates are planning dates subject to change as design and implementation details are developed.

<b>Milestone</b>	<b>Target Completion Date</b>	<b>Activity Status</b>
Submit 60 Day Status Report	Oct 2012	Complete (Reference 7.3)
Submit Overall Integrated Plan	Feb 2013	Complete (Reference 7.1)
Submit Response to Request for Additional Information (RAI)	Aug 2013	Complete (Reference 7.4)
<b>Submit 6 Month Updates:</b>		
Update 1	Aug 2013	Complete (Reference 7.5)
Update 2	Feb 2014	Complete (Reference 7.6)
Update 3	Aug 2014	Complete (Reference 7.7)
Update 4	Feb 2015	Complete (Reference 7.8)
Update 5	Aug 2015	Complete (This document)
<b>Modifications:</b>		
Design Engineering	Jul 2014	Complete
Implementation	Nov 2015	Complete

<b>Milestone</b>	<b>Target Completion Date</b>	<b>Activity Status</b>
<b>Procedures:</b>		
Create Procedures	Nov 2015	Complete
<b>Training:</b>		
Develop Training Plan	Oct 2015	Complete
Training Complete	Nov 2015	Complete
SFP LI Implementation	Nov 2015	In progress
Submit Completion Report	Jan 2016	On Target

#### **4. Changes to Compliance Method**

There are no changes to the compliance method as documented in the Overall Integrated Plan (Reference 7.1).

#### **5. Need for Relief/Relaxation and Basis for the Relief/Relaxation**

DTE expects to comply with the order implementation date and no relief/relaxation is required at this time.

#### **6. Open Items from Overall Integrated Plan and Interim Staff Evaluation**

Reference 7.4 provided a response to NRC Requests for Additional Information (RAIs) regarding the Overall Integrated Plan (Reference 7.1). In Reference 7.9, the NRC provided an Interim Staff Evaluation (ISE) of the Overall Integrated Plan and the DTE responses to the RAIs. In Reference 7.10, the NRC announced that the review of Overall Integrated Plans would be conducted through an audit process. The on-site portion of this audit was performed during the week of June 22, 2015.

The primary SFP LI review activity performed by the NRC audit team while on-site was to review the DTE responses to the RAIs that were identified in the NRC ISE (Reference 7.9). At the conclusion of the on-site audit, the NRC indicated that all ISE RAIs were considered closed based on the preliminary response provided by DTE. The final response to these RAIs will be provided in DTE's Completion Report.

#### **7. References**

- 7.1 DTE Electric Company letter, NRC-13-0006, "DTE Electric Overall Integrated Plan in Response to March 12, 2012 Commission Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051)," dated February 28, 2013 (ADAMS Accession No. ML13063A285)

- 7.2 NRC Order Number EA-12-051, "Issuance of Order to Modify Licenses with Regard to Reliable Spent Fuel Pool Instrumentation," dated March 12, 2012 (ADAMS Accession No. ML12054A682)
- 7.3 DTE Electric Company letter, NRC-12-0063, "Detroit Edison's Initial Status Report in Response to March 12, 2012 Commission Order Modifying Licenses With Regard to Requirements for Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051)," dated October 19, 2012 (ADAMS Accession No. ML12296A040)
- 7.4 DTE Electric Company letter, NRC-13-0042, "Response to Request for Additional Information (RAI) Regarding the Overall Integrated Plan in Response to Order EA-12-051 'Reliable Spent Fuel Pool Instrumentation'," dated August 19, 2013 (ADAMS Accession No. ML13231A233)
- 7.5 DTE Electric Company letter, NRC-13-0043, "DTE Electric Company First Six-Month Status Report in Response to March 12, 2012 Commission Order Modifying Licenses With Regard to Requirements for Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051)," dated August 26, 2013 (ADAMS Accession No. ML13239A118)
- 7.6 DTE Electric Company letter, NRC-14-0001, "DTE Electric Company Second Six-Month Status Report in Response to March 12, 2012 Commission Order Modifying Licenses With Regard to Requirements for Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051)," dated February 27, 2014 (ADAMS Accession No. ML14059A277)
- 7.7 DTE Electric Company letter, NRC-14-0059, "DTE Electric Company Third Six-Month Status Report in Response to March 12, 2012 Commission Order Modifying Licenses With Regard to Requirements for Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051)," dated August 28, 2014 (ADAMS Accession No. ML14241A288)
- 7.8 DTE Electric Company letter, NRC-15-0003, "DTE Electric Company Fourth Six-Month Status Report in Response to March 12, 2012 Commission Order Modifying Licenses With Regard to Requirements for Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051)," dated February 23, 2015 (ADAMS Accession No. ML15056A067)
- 7.9 NRC letter, "Fermi 2 -Interim Staff Evaluation and Request for Additional Information Regarding the Overall Integrated Plan for Implementation of Order EA-12-051, Reliable Spent Fuel Pool Instrumentation (TAC No. MF0771)," dated November 21, 2013 (ADAMS Accession No. ML13309B129)
- 7.10 NRC letter, "Nuclear Regulatory Commission Audits of Licensee Responses to Reliable Spent Fuel Pool Instrumentation Order EA-12-051," dated March 26, 2014 (ADAMS Accession No. ML14083A620)