



Indiana Michigan Power
Cook Nuclear Plant
One Cook Place
Bridgman, MI 49106
IndianaMichiganPower.com

August 27, 2014

AEP-NRC-2014-67
10 CFR 50.54(f)

Docket Nos.: 50-315
50-316

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

Donald C. Cook Nuclear Plant Units 1 and 2
Third 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)

References:

1. Letter from E. J. Leeds and M. R. Johnson, U. S. Nuclear Regulatory Commission (NRC), to All Power Reactor Licensees and Holders of Construction Permits in Active or Deferred Status, "Issuance of Order to Modify Licenses with Regard to Reliable Spent Fuel Pool Instrumentation," NRC Order Number EA-12-051, dated March 12, 2012, Agencywide Document Access Management System (ADAMS) Accession No. ML12054A682.
2. Letter from J. P. Gebbie, Indiana Michigan Power Company (I&M), to NRC, "Donald C. Cook Nuclear Plant Unit 1 and Unit 2, 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)," AEP-NRC-2013-14, dated February 27, 2013, ADAMS Accession No. ML13071A323.
3. Letter from J. P. Gebbie, I&M, to NRC, "Donald C. Cook Nuclear Plant Units 1 and 2 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)," AEP-NRC-2013-72, dated August 26, 2013, ADAMS Accession No. ML13247A050.
4. Letter from T. J. Wengert, NRC, to L. J. Weber, I&M, "Donald C. Cook Nuclear Plant, Units 1 and 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 NOS. MF0761 AND MF0762)," dated November 13, 2013, ADAMS Accession No. ML13310B499.

A001
NRR

5. Letter from J. P. Gebbie, I&M, to NRC, "Donald C. Cook Nuclear Plant Units 1 and 2 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)," AEP-NRC-2014-16, dated February 27, 2014, ADAMS Accession No. ML14063A041.

On March 12, 2012, the Nuclear Regulatory Commission (NRC) issued an order (Reference 1) to Indiana Michigan Power Company (I&M), the licensee for the Donald C. Cook Nuclear Plant (CNP) Units 1 and 2. Reference 1 was immediately effective and directed I&M to establish reliable spent fuel pool level instrumentation. Specific requirements are outlined in Attachment 2 of Reference 1.

Reference 1 required submission of an Overall Integrated Plan (OIP) and status reports at six-month intervals. By Reference 2, I&M provided the OIP for CNP. Reference 3 provided the first six-month status report. Reference 4 provided an NRC Interim Staff Evaluation and Requests for Additional Information. Reference 5 provided the second six-month status report and responses to some of the information requests included in Reference 4. Responses to the remainder of the Reference 4 information requests were posted on the CNP Fukushima e-portal. This letter provides the third six-month status report.

Enclosure 1 to this submittal provides an affirmation. Enclosure 2 provides an update of milestone accomplishments, including any changes to the compliance method, schedule, or need for relief and the basis, if any.

This letter contains no new or revised regulatory commitments. Should you have any questions, please contact Mr. Michael K. Scarpello, Regulatory Affairs Manager, at (269) 466-2649.

Sincerely,



Joel P. Gebbie
Site Vice President

JRW/kmh

Enclosures:

1. Affirmation
2. Indiana Michigan Power Company's Third 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

c: M. L. Chawla, NRC Washington, DC
J. T. King, MPSC
J. A. Kratchman, NRR/JLD/PMB, NRC
MDEQ – RMD/RPS
NRC Resident Inspector
C. D. Pederson, NRC Region III
A. J. Williamson, AEP Ft. Wayne, w/o enclosure

Enclosure 1 to AEP-NRC-2014-67

AFFIRMATION

I, Joel P. Gebbie, being duly sworn, state that I am Site Vice President of Indiana Michigan Power Company (I&M), that I am authorized to sign and file this request with the U. S. Nuclear Regulatory Commission on behalf of I&M, and that the statements made and the matters set forth herein pertaining to I&M are true and correct to the best of my knowledge, information, and belief.

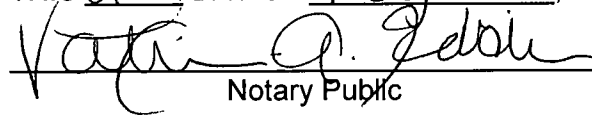
Indiana Michigan Power Company



Joel P. Gebbie
Site Vice President

SWORN TO AND SUBSCRIBED BEFORE ME

THIS 27th DAY OF August, 2014



Notary Public

My Commission Expires 11-5-2018



PATRICIA ANN EDDIE
Notary Public, State of Michigan
County of Berrien
My Commission Expires Nov. 05, 2018
Acting in the County of Perth

Enclosure 2 to AEP-NRC-2014-67

Indiana Michigan Power Company's Third 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

References for this enclosure are identified in Section 8.

1 Introduction

Indiana Michigan Power Company (I&M), the licensee for Donald C. Cook Nuclear Plant (CNP), developed an Overall Integrated Plan (OIP) (Reference 1) documenting the requirements to install reliable spent fuel pool level instrumentation in response to Reference 2. This enclosure provides an update of milestone accomplishments. There are no changes to the compliance method, schedule, or need for relief/relaxation at this time.

2 Milestone Accomplishments

The following milestone(s) have been completed since the development of the OIP, and are current as of July 31, 2014.

- Complete Design – Two Engineering Changes will be used to install components required for compliance with Order EA-12-051. Both Engineering Changes, EC-53083 and EC-52892 have been issued.
- Receive Electronics – Electronic components were received from the vendor on July 17, 2014.
- Commence Installation – Installation activities commenced in March 2014.

3 Milestone Schedule Status

The following table provides an update to the milestone schedule supporting the OIP. This section provides the activity status of each item, and the target completion date, noting any changes. The dates are planning dates subject to change as design and implementation details are developed.

Table 1			
Milestone Completion Dates			
Milestone	Target Completion Date	Activity Status	Revised Target Completion Date
Submit 60-Day Status Report	October 2012	Complete	
Submit OIP	February 2013	Complete	
Unit 1 refueling outage (1 st RFO) start	March 2013	Complete	
Submit 6 Month Updates:			
Update 1	August 2013	Complete	
Update 2	February 2014	Complete	
Update 3	August 2014	Complete with this submittal	
Update 4	February 2015	Not Started	
Modifications:			
Commence Engineering Modification Design	April 2013	Complete	
Order Electronics	April 2013	Complete	
Complete Design	July 2014	Complete	
Receive electronics	April 2014	Complete	
Commence Installation	June 2014	Complete	
Complete functional test	November 2014	Not Started	October 2014
Procedures:			
Issue Maintenance Procedures	August 2014	Complete	
Training:			
Implement Training	September 2014	In Progress	
Submit Completion Report	February 2015	Not Started	

4 Changes to Compliance Method

There are no changes to the compliance method as documented in the OIP.

5 Need for Relief/Relaxation and Basis for the Relief/Relaxation

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

6 Open Items from OIP and Draft Safety Evaluation (SE)

Responses to the Requests for Additional Information included in the Interim Staff Evaluation (ISE), transmitted by Reference 3, were provided in the second six-month status report (Reference 4) or posted on the CNP Fukushima e-portal.

7 Potential Draft SE Impacts

I&M has identified no potential impacts on the Reference 3 ISE.

8 References

The following references support the updates to the OIP described in this attachment.

1. Letter from J. P. Gebbie, I&M, to U. S. Nuclear Regulatory Commission (NRC), "Donald C. Cook Nuclear Plant Unit 1 and Unit 2, 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)," AEP-NRC-2013-14, dated February 27, 2013, ADAMS Accession No. ML13071A323.
2. Letter from E. J. Leeds and M. R. Johnson, NRC to All Power Reactor Licensees and Holders of Construction Permits in Active or Deferred Status, "Issuance of Order to Modify Licenses with Regard to Reliable Spent Fuel Pool Instrumentation," NRC Order Number EA-12-051, dated March 12, 2012, ADAMS Accession No. ML12054A682.
3. Letter from T. J. Wengert, NRC, to L. J. Weber, I&M, "Donald C. Cook Nuclear Plant, Units 1 and 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 NOS. MF0761 and MF0762)," dated November 13, 2013, ADAMS Accession No. ML13310B499.
4. Letter from J. P. Gebbie, I&M, to NRC, "Donald C. Cook Nuclear Plant Units 1 and 2 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)," AEP-NRC-2014-16, dated February 27, 2014, ADAMS Accession No. ML14063A041.