

## **NRR-PMDAPEm Resource**

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**From:** Dietrich, Allison  
**Sent:** Thursday, May 28, 2015 5:11 PM  
**To:** 'hkish@aep.com'  
**Cc:** Mathew, Roy; Pelton, David; 'dmburgoyne@aep.com'  
**Subject:** EEEB RAI  
**Attachments:** RAI- EEEB Cook 5-28-15.docx

By letter dated May 28, 2015, Indiana Michigan Power Company (I&M, the licensee) submitted an emergency license amendment request for the Donald C. Cook Nuclear Plant (CNP) Unit 1. The proposed amendment would revise TS 3.8.1 to permit a one-time extension of the completion time for an inoperable emergency diesel generator (EDG). It would also permit extensions of several surveillance frequencies for support equipment for the affected EDG.

The U.S. Nuclear Regulatory Commission (NRC) staff in the Electrical Engineering Branch of the Office of Nuclear Reactor Regulation is currently reviewing your submittal. The staff has determined that additional information is needed in order to complete the review. A request for additional information (RAI) is attached.

Please respond to this request by May 29, 2015.

Sincerely,

Allison W. Dietrich, Project Manager  
Plant Licensing Branch III-1  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation  
301-415-2846

**Hearing Identifier:** NRR\_PMDA  
**Email Number:** 2119

**Mail Envelope Properties** (C0A338EE37A11447B136119705BF9A3F0289E2F05906)

**Subject:** EEEB RAI  
**Sent Date:** 5/28/2015 5:11:04 PM  
**Received Date:** 5/28/2015 5:11:00 PM  
**From:** Dietrich, Allison

**Created By:** Allison.Dietrich@nrc.gov

**Recipients:**

"Mathew, Roy" <Roy.Mathew@nrc.gov>  
Tracking Status: None  
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**Post Office:** HQCLSTR02.nrc.gov

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	1009	5/28/2015 5:11:00 PM
RAI- EEEB Cook 5-28-15.docx	18417	

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**Priority:** Standard  
**Return Notification:** No  
**Reply Requested:** No  
**Sensitivity:** Normal  
**Expiration Date:**  
**Recipients Received:**

## DONALD C. COOK NUCLEAR PLANT, UNIT 1

By letter dated May 28, 2015, the Indiana Michigan Power Company (I&M), the licensee for Donald C. Cook Nuclear Plant (CNP) Unit 1, requested an amendment to the Appendix A Technical Specifications (TS) for Renewed Facility Operating License DPR-58. The proposed amendment would revise TS 3.8.1 to permit extending the Completion Time (CT) from 14 days to 65 days for an inoperable emergency diesel generator (EDG). The proposed amendment would also revise the TS Surveillance Requirement 3.8.1.2 and 3.8.1.3 to extend the Surveillance Frequency (SF) from 31 days to 82 days, or within 3 days following the inoperable EDG being restored to service, and TS Surveillance Requirement 3.8.1.7 to extend the SF from 92 days to 145 days, or within 3 days following the inoperable EDG being restored to service.

In order for the staff to proceed with its review of the proposed change, the following information is needed:

1. Please discuss in detail how CNP Unit 1 mitigates the consequences of the following events when plant is operating with one EDG in maintenance for 65 days. Please identify all additional power sources that are available and will be credited for mitigating the events described below for the duration of the extended outage including the operating procedures in place and the operator training completed. Please identify the capacity of the power sources, their alignment and the actual loads required to be connected, including the fuel oil requirement and storage for 65 days.

- a. Loss of offsite power (LOOP)
- b. Station Blackout
- c. LOOP with LOCA and a single failure of the operable EDG

2. For question 1c, please describe how CNP Unit 1 meets the following regulatory requirements.

- a. 10 CFR 50.46, "Acceptance criteria for emergency core cooling systems for light-water nuclear power reactors."
- b. Plant Specific Design Criterion (PSDC) 39 and/or 10 CFR 50, Appendix, General Design Criterion 17, "Electric Power System."