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
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 TSSurveillance 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 nuclearpower reactors."
   b. Plant Specific Design Criterion (PSDC) 39 and/or 10 CFR 50, Appendix, General Design Criterion 17, “Electric Power System.”