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

June 27, 2007

AEP:NRC:7054-03

Docket Nos.: 50-315
50-316

Mr. James E. Dyer
Director of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Donald C. Cook Nuclear Plant Units 1 and 2
PLANNED RESOLUTION OF GENERIC LETTER 2004-02

Dear Mr. Dyer:

The purpose of this letter is to provide you with an overview of Indiana Michigan Power Company's (I&M's) planned actions and schedule to address the concerns identified in Generic Letter 2004-02 at Donald C. Cook Nuclear Plant (CNP). These planned actions and schedule were discussed in a public meeting with members of your staff on May 8, 2007, and are described in docketed correspondence. The planned actions and schedule are summarized below.

- The existing containment recirculation sump screens and trash racks are being replaced with a pocket-type strainer that will increase the total surface area from approximately 85 square feet (ft²) to approximately 900 ft². This is the largest increase practical within the limited space of the CNP ice condenser containment. These modifications were completed in Unit 1 during the Fall 2006 refueling outage and will be completed on Unit 2 during the Fall 2007 refueling outage.
- A remote strainer assembly with an expected total surface area of approximately 1000 ft² will be installed in the annulus area of containment. A waterway through the reinforced concrete crane wall will be created to connect the remote strainer to the existing sump. These modifications will be completed in Unit 2 during the Fall 2007 refueling outage and in Unit 1 during the Spring 2008 refueling outage.
- Other modifications, including installation of new recirculation sump water level instruments, installation of debris interception features, and removal of significant quantities of calcium silicate insulation, were completed in Unit 1 during the Fall 2006 refueling outage. Similar modifications will be completed on Unit 2 during the Fall 2007 refueling outage.
- Proposed Technical Specification changes associated with the above described plant modifications will be submitted to the Nuclear Regulatory Commission in the Summer of 2007.

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- Analysis and testing activities necessary to support the mechanistic evaluation required by Generic Letter 2004-02 are being monitored by senior CNP engineering personnel. These analysis and testing activities will be completed in the Fall of 2007.
- CNP personnel are engaged with industry efforts to resolve chemical effects and downstream component impacts. Appropriate changes to the CNP mechanistic evaluation will be made as needed to address the results of the industry efforts.
- I&M will submit a final response to Generic Letter 2004-02 by December 31, 2007.

I&M believes these actions demonstrate its commitment to the health and safety of the public and its responsiveness to identified safety concerns. Should you have any questions, please contact Ms. Susan D. Simpson, Regulatory Affairs Manager, at (269) 466-2428.

Sincerely,



Joseph N. Jensen
Site Vice President

JRW/jen

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