

September 24, 2004

Mr. Mano K. Nazar  
Senior Vice President and Chief Nuclear Officer  
Indiana Michigan Power Company  
Nuclear Generation Group  
500 Circle Drive  
Buchanan, MI 49107

SUBJECT: REQUESTS FOR ADDITIONAL INFORMATION FOR THE REVIEW OF  
DONALD C. COOK NUCLEAR PLANT, UNITS 1 AND 2, LICENSE RENEWAL  
APPLICATION

Dear Mr. Nazar:

By letter dated October 31, 2003, Indiana Michigan Power Company submitted an application pursuant to Title 10 of the *Code of Federal Regulations* Part 54 (10 CFR Part 54), to renew the operating licenses for the Donald C. Cook Nuclear Plant (CNP), Units 1 and 2, for review by the U.S. Nuclear Regulatory Commission (NRC). The NRC staff is reviewing the information contained in the license renewal application (LRA) and has identified, in the enclosure, areas where additional information is needed to complete the review.

Based on discussions with Mr. Richard Grumbir of your staff, a mutually agreeable date for your response is within 30 days from the date of this letter. If you have any questions regarding this letter or if circumstances result in your need to revise the response date, please contact me at 301-415-4053 or by e-mail at [jgr@nrc.gov](mailto:jgr@nrc.gov).

Sincerely,

**/RA/**

Jonathan Rowley, Project Manager  
License Renewal Section A  
License Renewal and Environmental Impacts Program  
Division of Regulatory Improvement Programs  
Office of Nuclear Reactor Regulation

Docket Nos. 50-315 and 50-316

Enclosure: As stated

cc w/encl: See next page

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Donald C. Cook Nuclear Plant, Units 1 and 2

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**DONALD C. COOK NUCLEAR PLANT, UNITS 1 AND 2  
LICENSE RENEWAL APPLICATION (LRA)  
REQUESTS FOR ADDITIONAL INFORMATION (RAIs)**

**RAI 4.7.5-1**

In Section 4.7.5 of the LRA, the applicant stated that TLAAAs applicable to the steam generators include steam generator tube flow-induced vibration (FIV). The applicant further stated that the time-dependent assumptions made in the D C Cook Unit 1 FIV calculation pertain to the tube corrosion allowance, while for the Unit 2, the assumptions made for the FIV analysis pertain to the tube wear allowance. The applicant was requested to explain why the assumptions made for the FIV analysis models are different between Unit 1 and Unit 2. The applicant was also requested to address the TLAAAs on aging effects of tube wear in Unit 1 and corrosion effects in Unit 2, and to provide the necessary aging management programs for the period of extended operation.

Enclosure