

June 28, 2007

Mr. Mano K. Nazar  
Senior Vice President and  
Chief Nuclear Officer  
Indiana Michigan Power Company  
Nuclear Generation Group  
One Cook Place  
Bridgman, MI 49106

SUBJECT: D. C. COOK NUCLEAR PLANT, UNIT 2 (DCCNP-2) - REQUEST FOR  
ADDITIONAL INFORMATION RE: PROPOSED AMENDMENT INVOLVING  
REACTOR TRIP ON LOW TURBINE OIL PRESSURE (TAC NO. MD3161)

Dear Mr. Nazar:

In a letter dated September 15, 2006, Indiana Michigan Power Company (I&M) requested an amendment to the Technical Specifications (TSs) for DCCNP, Unit 2, to revise the allowable value of the reactor trip on low turbine oil pressure to  $\geq 750$  pounds per square inch gauge (psig) from its current value of  $\geq 57$  psig. On January 11, 2007, we e-mailed to your staff a draft request for additional information (RAI), publicly available at Accession No. ML070110441). By letter dated April 20, 2007, Mr. J. N. Jensen responded to that draft RAI.

We reviewed the April 20, 2007, response and determined that additional information is still needed. We have previously e-mailed this RAI in draft form (Accession No. ML071350660) and have received no comments. Accordingly, the draft RAI had been made into its final form (see enclosure). In order to complete our timely review of your amendment application, we request your response within 30 days from the date of this letter.

Feel free to contact me if you need clarification of this RAI.

Sincerely,

***/RA Mahesh Chawla for/***

Peter S. Tam, Senior Project Manager  
Plant Licensing Branch III-1  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket No. 50-316

Enclosure:  
RAI

cc: See next page

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RAI

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REQUEST FOR ADDITIONAL INFORMATION

D. C. COOK NUCLEAR PLANT, UNIT 2

PROPOSED AMENDMENT RE: REACTOR TRIP ON LOW TURBINE OIL PRESSURE

After reviewing the information provided in an Indian Michigan Power (I&M) letter dated April 20, 2007, the Nuclear Regulatory Commission (NRC) staff has determined that additional clarification is needed. Therefore, the staff requests a response to the following questions:

- (1) The I&M response to NRC Request 2 states that out-of-tolerance is defined as “exceeding the band established around a desired value. ...” However, I&M has not defined how this band is established. Provide information that describes the uncertainty elements that are included in the out-of-tolerance band, the basis for their inclusion, and how the tolerance band is calculated.
- (2) The I&M response to NRC Request 2 (first paragraph) discusses actions for an as-found condition that exceeds the calibration tolerance. However, I&M has not defined how the calibration tolerance is determined. Provide the information about the uncertainties included in the calibration tolerance band, basis for their inclusion, and how the band is calculated.
- (3) The I&M response to NRC Request 2 (on page 3, first full paragraph) provides an example of Unit 1 calibration tolerance, but did not state that the same value has been used for Unit 2 also, and how it was determined. Provide the calibration tolerance band for Unit 2.
- (4) The I&M response to NRC Request 2 (on page 3, first full paragraph) states that the out-of-tolerance evaluation “may include changes to the acceptance criteria, changes to the switch design or calibration method (including the setpoint value), or the replacement of poorly performing components,” but did not provide any detail on how the evaluation results are determined, who makes that determination, and how soon this evaluation is to be completed. Provide the missing information.

ENCLOSURE

Donald C. Cook Nuclear Plant, Units 1 and 2

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