

March 29, 2001

Mr. Robert P. Powers, Senior Vice President
Indiana Michigan Power Company
Nuclear Generation Group
500 Circle Drive
Buchanan, MI 49107

SUBJECT: DONALD C. COOK NUCLEAR PLANT, UNITS 1 AND 2 - REQUEST FOR
ADDITIONAL INFORMATION (RAI) REGARDING LICENSE AMENDMENT
REQUEST (TAC NOS. MB0154 AND MB0155)

Dear Mr. Powers:

By application dated September 26, 2000, as supplemented February 1, 2001, Indiana Michigan Power Company (I&M) submitted a license amendment request that would revise the current licensing basis in the Updated Final Safety Analysis Report by requiring operator action to mitigate the effects of a loss of seal injection (LOSI) cooling to the reactor coolant pumps (RCPs). Based on our review of your February 1, 2001, supplement, the staff requests that I&M provide additional information as described in the enclosure.

The enclosed request was discussed with Mr. J. Waters of your staff on March 21, 2001. A mutually agreeable target date of June 29, 2001, for your response was established. If circumstances result in the need to revise the target date, please contact me at (301) 415-1345 at the earliest opportunity.

Sincerely,

/RA/

John F. Stang, Senior Project Manager, Section 1
Project Directorate III
Division of Licensing Project Management
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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REQUEST FOR ADDITIONAL INFORMATION

DONALD C. COOK, UNITS 1 AND 2

SUBMITTAL C0201-07 (RCP LOSI), DATED FEBRUARY 1, 2001

1. The statements on Page 3 of Attachment 1 indicate that a seal leak-off flow of 0.9 gpm (nominally 1 gpm with instrument uncertainty included) was used in the analyses. Please confirm that the actual instrument uncertainty is consistent with the 0.1 assumed in the analyses.
2. It appears that some of the analyses were performed using a seal leak-off flow of 1 gpm rather than 0.9 gpm (e.g., analysis to determine time for raising volume control tank (VCT) pressure, analysis used to determine required VCT pressure, and analysis of effect of component cooling water (CCW) flow rate). Please explain how these analyses bound your proposed operation at a potential actual seal injection flow rate (considering instrument uncertainty) of 0.9 gpm.
3. Please provide a justification for no action when reactor coolant system (RCS) temperature is less than 350 °F.
4. In Attachment 1, you recommended no controls on CCW flow rate or temperature. Please confirm that measures are in place to ensure that the minimum acceptable CCW flow rate of 20 gpm and CCW temperature of 105 °F (as presented in the analyses) are maintained.
5. On page 3-10, in relation to seal leak-off piping pressure, it is stated that the minimum pressure in the seal leak-off line is the VCT pressure. Please show how the dynamic pressure drop from the VCT to the charging pump suction (the point where the leakoff piping connects to charging pump suction piping) is accounted for in the calculations.

ENCLOSURE