

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

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

DISTRIBUTION

PUBLIC ACRS CCraig SBlack
PD III-1Reading OGC AVeigel, RIII LBerry
FAkstulewicz JStang FLyon MShuaibi

OFFICE	PDIII-1/PM	PDIII-1/PM	PDIII-1/LA	PDIII-1/SC
NAME	FLyon	JStang	THarris	CCraig
DATE	3/28/01	3/29/01	3/29/01	3/29/01

Accession No. ML010880421

OFFICIAL RECORD COPY

Donald C. Cook Nuclear Plant, Units 1 and 2

cc:

Regional Administrator, Region III
U.S. Nuclear Regulatory Commission
801 Warrenville Road
Lisle, IL 60532-4351

Attorney General
Department of Attorney General
525 West Ottawa Street
Lansing, MI 48913

Township Supervisor
Lake Township Hall
P.O. Box 818
Bridgman, MI 49106

U.S. Nuclear Regulatory Commission
Resident Inspector's Office
7700 Red Arrow Highway
Stevensville, MI 49127

David W. Jenkins, Esquire
Indiana Michigan Power Company
Nuclear Generation Group
One Cook Place
Bridgman, MI 49106

Mayor, City of Bridgman
P.O. Box 366
Bridgman, MI 49106

Special Assistant to the Governor
Room 1 - State Capitol
Lansing, MI 48909

Drinking Water and Radiological
Protection Division
Michigan Department of
Environmental Quality
3423 N. Martin Luther King Jr Blvd
P.O. Box 30630, CPH Mailroom
Lansing, MI 48909-8130

Ronald Gaston
Director, Regulatory Affairs
Indiana Michigan Power Company
Nuclear Generation Group
One Cook Place
Bridgman, MI 49106

David A. Lochbaum
Union of Concerned Scientists
1616 P Street NW, Suite 310
Washington, DC 20036-1495

A. Christopher Bakken, Site Vice President
Indiana Michigan Power Company
Nuclear Generation Group
One Cook Place
Bridgman, MI 49106

Michael W. Rencheck
Vice President, Nuclear Engineering
Indiana Michigan Power Company
Nuclear Generation Group
500 Circle Drive
Buchanan, MI 49107

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