

March 7, 2002

Mr. A Christopher Bakken III, Senior Vice President  
Indiana Michigan Power Company  
Nuclear Generation Group  
500 Circle Drive  
Buchanan, MI 49107

SUBJECT: DONALD C. COOK NUCLEAR PLANT, UNIT 2 - 30-DAY REPORT OF LOSS-OF-COOLANT ACCIDENT EVALUATION MODEL CHANGES (TAC NO. MB4038)

Dear Mr. Bakken:

By letter dated February 4, 2002, pursuant to 10 CFR 50.46, the Indiana Michigan Power Company (the licensee) submitted a 30-day report of loss-of-coolant accident (LOCA) model changes affecting the peak cladding temperature (PCT) for Donald C. Cook Nuclear Plant, Unit 2. The letter describes the current assessments against the large-break LOCA analysis of record and a demonstration that the PCT value remains below 2200 degrees Fahrenheit, as required by 10 CFR 50.46. The letter also reported updated assessments of analyses-of-record in addition to previously identified analysis errors and changes.

The Nuclear Regulatory Commission (NRC) staff has reviewed the letter and the licensee's actions. The NRC staff finds that each action described in the letter was performed in accordance with the requirements of 10 CFR 50.46(a)(3)(ii), and therefore is acceptable. The NRC staff also find, the licensee's proposed schedule for reanalysis of the large-break LOCA acceptable.

Sincerely,

*/RA/*

John F. Stang, Senior Project Manager, Section 1  
Project Directorate III  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket No. 50-316

cc: See next page

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