

50-315/316



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

December 13, 1999

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

SUBJECT: ISSUANCE OF AMENDMENTS - DONALD C. COOK NUCLEAR PLANT, UNITS
1 AND 2 (TAC NOS. MA6766 AND MA6767)

Dear Mr. Powers:

The U.S. Nuclear Regulatory Commission has issued the enclosed Amendment No. 234 to Facility Operating License No. DPR-58 and Amendment No. 217 to Facility Operating License No. DPR-74 for the Donald C. Cook Nuclear Plant, Units 1 and 2. The amendments consist of changes to the Technical Specifications (TSs) in response to your application dated October 1, 1999, as supplemented November 19, 1999.

The amendments involve the resolution of an unreviewed safety question related to certain small-break loss-of-coolant accident scenarios for which there may not be sufficient containment recirculation sump water inventory to support continued operation of the emergency core cooling system and containment spray system pumps during and following switchover to cold leg recirculation. Resolution of this issue consists of a combination of physical plant modifications, new analyses of containment recirculation sump inventory, and resultant changes to the accident analyses to ensure sufficient water inventory in the containment recirculation sump. The amendments would also change the TSs dealing with the refueling water storage tank inventory and temperature, the required amount of ice in each ice basket in the containment, and the delay to start the containment air recirculation/hydrogen skimmer fans.

The proposed TSs involving the removal of the word "Each" in Sections 3.6.5.1.d and 4.6.5.1.b.2 will be evaluated and issued in separate correspondence.

The supporting documentation for the proposed TSs also addresses issue number 1 in the Confirmatory Action Letter issued by the NRC on September 19, 1997. Final resolution of this issue will be reported in a future inspection report.

Amendment No. 216 for Unit 1 and Amendment No. 200 for Unit 2 contain TS pages that are affected by the enclosed Amendment Nos. 234 and 217. Since Amendment Nos. 216 and 200 may not be implemented until December 31, 2000, the NRC is issuing two sets of TS pages with the enclosed amendments. The first set should be inserted when Amendment Nos. 234 and

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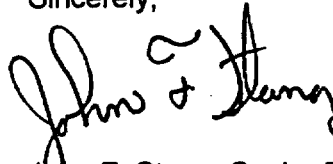
Mr. Robert P. Powers

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217 are implemented. The second set replaces the Amendment Nos. 216 and 200 pages that are affected by Amendment Nos. 234 and 217 and should be inserted into Amendment Nos. 216 and 200.

A copy of our related safety evaluation is also enclosed. A Notice of Issuance will be included in the Commission's next biweekly *Federal Register* notice.

Sincerely,

A handwritten signature in black ink, appearing to read "John F. Stang". The signature is written in a cursive style with a large initial "J" and "S".

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

Enclosures: 1. Amendment No. 234 to DPR-58
2. Amendment No. 217 to DPR-74
3. Safety Evaluation

cc w/encls: See next page

Donald C. Cook Nuclear Plant, Units 1 and 2

cc:

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Original signed by:

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

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