

October 7, 1998

Mr. Robert P. Powers, Senior Vice President  
Indiana Michigan Power Company  
Nuclear Generation Group  
500 Circle Drive  
Buchanan, MI 49107-1395

SUBJECT: EVALUATION ON THE ALTERNATIVE TO 10 CFR 50.55a(g)(6)(ii)(A),  
AUGMENTED REACTOR PRESSURE VESSEL EXAMINATION  
REQUIREMENTS FOR DONALD C. COOK NUCLEAR PLANT,  
UNIT 2 (TAC NO. M93614)

Dear Mr. Powers:

By letter dated July 29, 1996, you submitted a request to the NRC staff for an alternative to 10 CFR 50.55a(g)(6)(ii)(A), augmented reactor pressure vessel examination requirements for the Donald C. Cook Nuclear Plant, Unit 2.

The NRR staff, with technical assistance from its contractor, the Idaho National Engineering Laboratory (INEL), has reviewed and evaluated the information provided in support of an augmented reactor pressure vessel examination. The staff adopts the evaluation and conclusions presented in the Technical Letter Report (TLR) prepared by INEL. The enclosed safety evaluation incorporates the TLR and its findings. Based on the information submitted, the staff concludes that you have maximized examination coverage to the extent practical, and that imposing additional examinations would result in a considerable hardship without a compensating increase in the level of quality and safety. Therefore, your proposed alternative, the augmented reactor pressure vessel examination of the accessible weld volumes from the inside surface in combination with future reactor pressure vessel examinations, provides an acceptable level of quality and safety and is authorized pursuant to 10 CFR 50.55a(a)(3)(ii) and 10 CFR 50.55a(g)(6)(ii)(A)(5).

Sincerely,

Original signed by:

Cynthia A. Carpenter, Director  
Project Directorate III-1  
Division of Reactor Projects - III/IV  
Office of Nuclear Reactor Regulation

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DFO

Docket Nos. 50-316  
Enclosure: Safety Evaluation w/att.  
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Cynthia A. Carpenter, Director  
Project Directorate III-1  
Division of Reactor Projects - III/IV  
Office of Nuclear Reactor Regulation

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

October 7, 1998

Mr. Robert P. Powers, Senior Vice President  
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Nuclear Generation Group  
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Sincerely,

A handwritten signature in cursive script that reads "Cynthia A. Carpenter".

Cynthia A. Carpenter, Director  
Project Directorate III-1  
Division of Reactor Projects - III/IV  
Office of Nuclear Reactor Regulation

Docket Nos. 50-316

Enclosure: Safety Evaluation w/att.

cc w/encl: See next page

Robert P. Powers  
Indiana Michigan Power Company

Donald C. Cook Nuclear Plant  
Units 1 and 2

cc:

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