

Docket #

Mr. E. E. Fitzpatrick, Vice President
Indiana Michigan Power Company
c/o American Electric Power Service Corporation
1 Riverside Plaza
Columbus, Ohio 43215

July 26, 1996

SUBJECT: D.C. COOK, UNIT 1, SECOND 10-YEAR INTERVAL INSERVICE INSPECTION
AUGMENTED VESSEL EXAMINATION ALTERNATIVE (TAC NO. M93613)

Dear Mr. Fitzpatrick:

By letter dated July 28, 1995, Indiana Michigan Power Company (IMPCo) submitted a request to the NRC staff to use an alternative augmented examination regarding the reactor pressure vessel (RPV) shell welds at D.C. Cook Nuclear Plant, Units 1 and 2. In letters dated January 25, 1996, April 30, 1996, and May 6, 1996, you deferred the alternative to the required augmented reactor vessel exam for D.C. Cook Nuclear Plant, Unit 2, and provided additional and clarifying information to support the request for Unit 1. The staff, with technical assistance from its contractor, the Idaho National Engineering Laboratory, has reviewed and evaluated the information provided by your submittals.

Based on the information submitted, the staff concludes that IMPCo has 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 using the augmented RPV examination of the accessible weld volumes from the inside surface provides an acceptable level of quality and safety to satisfy the requirements of 10 CFR 50.55a(g)(6)(ii)(A), and is authorized pursuant to 10 CFR 50.55a(g)(6)(ii)(A)(5).

The staff's evaluation and conclusions are contained in the enclosed safety evaluation.

Sincerely,

Original signed by Kevin Connaughton for
Mark Reinhart, Acting Director
Project Directorate III-1
Division of Reactor Projects - III/IV
Office of Nuclear Reactor Regulation

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Docket Nos. 50-315 and 50-316

Enclosure: Safety Evaluation w/attached
Technical Letter Report

cc w/encl: - See next page

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Mr. E. E. Fitzpatrick
Indiana Michigan Power Company

Donald C. Cook Nuclear Plant

cc:

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