

NATIONAL SUPPLY COMPANY

DIVISION OF ARMCO INC.

DALE E. GILBERT
WORKS MANAGER



ADDRESS REPLY TO
1524 BORDER AVENUE
TORRANCE, CA 90509

May 8, 1984

Mr. Richard C. DeYoung
Director, Office of Inspection
and Enforcement
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Re: Report Pursuant to 10 C.F.R. p. 21.21(b): Edwin I. Hatch
Nuclear Plant, Unit 2

Dear Mr. DeYoung:

This letter will confirm the substance of a telephonic report I made to Mr. Robert Martin, Deputy Regional Director for NRC Region II, on Friday, May 4, 1984.

I reported to Mr. Martin pursuant to 10 C.F.R. p. 21.21(b) (1983) on the X-14 flued head incorporated into the Edwin I. Hatch Nuclear Plant, Unit 2, of Georgia Power Company. That component, when manufactured at the Torrance Plant, was analyzed using state-of-the-art techniques employing a finite element computer program for solids of revolution. The results of this analysis were then certified to the specifications using code interpretations by a recognized authority. Specifications for the part included the ability to withstand the stress of eighty (80) cycles of the rated power thermal transient.

We understand that the documentation on Edwin I. Hatch Nuclear Plant, Unit 2, including operating and maintenance manuals and possibly the Technical Specifications, are premised on an 80-cycle life for the flued head.

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Recent Analyses by different, currently-accepted techniques performed on a similar replacement part for Unit I afford a reasonable basis to conclude that the X-14 component in Edwin I. Hatch Nuclear Plant, Unit 2, would be certified for only thirty-five (35) cycles under current analytical techniques and a different code interpretation. We understand that the component in use has experienced only four (4) or five (5) cycles since Unit 2 commenced commercial operation in 1978, so that revised analyses of the original component raise no substantial safety issue. Based on the information provided to him, Mr. Martin generally concurred in that belief. We further believe that any safety issue may be averted by revision of the documentation on Unit 2 to stipulate replacement based on a 35-cycle component life. I have advised both Georgia Power Company and Bechtel Power Corp., the design engineer, of the circumstances set forth in this notification.

This notification, filed pursuant to 10 C.F.R. p. 21.21(b) (3), is limited to a summary of my conversation with Mr. Martin in accordance with his request. Any further technical questions regarding this matter should be addressed to Mr. Brian Eidem at 213/323-4111. We anticipate that any additional information contemplated by 10 C.F.R. p. 21.21(b) (3) will be supplied through follow-up with Mr. Eidem.

Very truly yours,

Dale E. Gilbert

Dale E. Gilbert
Works Manager

DEG/bb

cc: Mr. Robert Martin
Deputy Director
Region II
U.S. Nuclear Regulatory
Commission
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303



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