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 FACIL: 50-250 Turkey Point Plant, Unit 3, Florida Power and Light C 05000250
 50-251 Turkey Point Plant, Unit 4, Florida Power and Light C 05000251
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 WOODY, C. O. Florida Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION
 THOMPSON, H. L. Division of Pressurized Water Reactor Licensing - A (post 8

SUBJECT: Forwards proprietary Rev 1 to 83-185, "Evaluation of Toughness of Irradiated Welds at 200 C & 288 C for Turkey Point Unit 4 Beltline Weld," demonstrating fracture toughness at specified temps. Rev withheld (Ref 10CFR2.790).

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1. The purpose of this document is to provide information regarding the activities of the [redacted] and the [redacted] in the [redacted] area. This information is being provided to you for your information only and is not to be distributed outside of your organization.

2. The [redacted] has been identified as a [redacted] and is currently active in the [redacted] area. The [redacted] has been identified as a [redacted] and is currently active in the [redacted] area. The [redacted] has been identified as a [redacted] and is currently active in the [redacted] area.

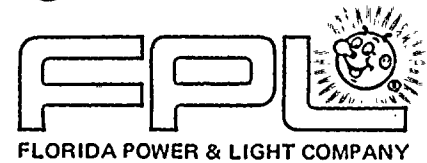
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3. The [redacted] has been identified as a [redacted] and is currently active in the [redacted] area. The [redacted] has been identified as a [redacted] and is currently active in the [redacted] area. The [redacted] has been identified as a [redacted] and is currently active in the [redacted] area.



MAR 25 1988

L-86-122

Office of Nuclear Reactor Regulation
Attention: Mr. Hugh L. Thompson, Jr., Director
Division of PWR Licensing - A
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Thompson:

Re: Turkey Point Units 3 and 4
Docket Nos. 50-250 and 50-251
Pressure Vessel Material Fracture Toughness
(NUREG - 0744, Rev. 1)

Our letter L-84-120, dated May 3, 1984 transmitted an analysis demonstrating the compliance of Turkey Point Units 3 and 4 with the fracture toughness requirement of Appendix G to 10 CFR 50. The analysis was performed utilizing the guidance of NUREG-0744, Rev. 1, and the best plant specific data available. The material properties data, however, were obtained from tests at 200°C (392°F). We have subsequently had data obtained at temperatures more equivalent to reactor operating temperatures (288°C - 550°F) become available.

Therefore, attached is the revised analysis which demonstrates that the fracture toughness of the reactor vessel is assured at these temperatures with substantial margins of safety.

This submittal contains information that is proprietary to Fracture Proof Design Corporation. In conformance with the requirements of 10 CFR Section 2.790, we are enclosing with this submittal, an Application for Withholding From Public Disclosure and an Affidavit prepared by Fracture Proof Design Corporation. The Affidavit sets forth the basis on which the information may be withheld from public disclosure by the Commission.

Should you have any questions, please call us.

Very truly yours,

C. O. Woody
Group Vice President
Nuclear Energy

COW/TCG/gp

Attachments

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