

**Florida
Power**
CORPORATION

December 5, 1980

File: 3-0-3-a-3
#3-120-18

Mr. Robert W. Reid
Branch Chief
Operating Reactors Branch #4
Division of Operating Reactors
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

THIS DOCUMENT CONTAINS
POOR QUALITY PAGES

Subject: Crystal River Unit 3
Docket No. 50-302
Operating License No. DPR-72
Technical Specification Change Request No. 27
Design Information and Technical Specifications
for Reactor Coolant Pump Power Monitors, November 29, 1978

Dear Mr. Reid:

Enclosed are three (3) originals and forty (40) copies of the following documents related to the Pump Power Monitor 7 KV Isolation System:

- 1) Functional Test Procedure for Pump Monitor Isolation Subsystem (with results)
- 2) Pump Monitor Response Time Calculations
- 3) Vitro Seismic Test Procedure
- 4) Vitro High Voltage Tests Procedure
- 5) Contact Monitor Signal Resistance Calculations
- 6) RC Pump Monitor Isolation System Vitro Laboratories Division B&W No. 036104 Customer Work Authorization W.A. No. 651-148

This information satisfies the final concern identified in your letter of January 17, 1980, regarding Technical Specification Change Request No. 27 Design Information and Technical Specification for Reactor Coolant Pump Power Monitors, November 29, 1978.

Your letter requested an analysis to demonstrate the Reactor Coolant Pump Power Monitors and RPS have sufficient isolation to prevent being damaged or disabled due to a fault voltage resulting from any failure or combination of failures of the non-qualified equipment or of the inter-connecting cabling between the non-qualified equipment and the qualified equipment of the Reactor Coolant Pump Power Monitors.

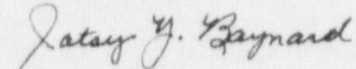
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After a preliminary analysis showed that the original isolation devices may not be adequate, we discussed developing a relay isolation system or an optical isolation system with John Burdoin and Sheryl Wookey, February 22, 1980. The optical isolators were finally selected due to their superior isolation and discussed with John Burdoin on May 23, 1980. The attached reports listed above document the functional, seismic, and high voltage tests and qualifications.

We have informed John Burdoin that the completed reports are being submitted to you with an extra copy to him.

Very truly yours,

FLORIDA POWER CORPORATION



Patsy Y. Baynard
Manager
Nuclear Support Services

Attachments

Baynard(T02)D1-1

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

IN THE MATTER OF
FLORIDA POWER CORPORATION

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DOCKET NO. 50-302

CERTIFICATE OF SERVICE

P. Y. Baynard deposes and says that the following has been served on the Chief Executive of Citrus County, Florida by deposit in the United States mail, addressed as follows:

Chairman, Board of County
Commissioners of Citrus County
Citrus County Courthouse
Inverness, Florida 32650

An original copy of Information for Tech Spec Change No. 27.

FLORIDA POWER CORPORATION

P. Y. Baynard
P. Y. Baynard
Manager
Nuclear Support Services

SWORN TO AND SUBSCRIBED BEFORE ME THIS 5TH DAY OF DECEMBER, 1980.

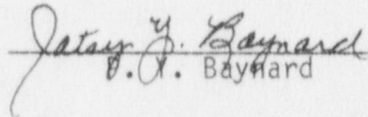
Margaret A. Chisamore
Notary Public

Notary Public State of Florida at Large
My Commission expires: May 29, 1984

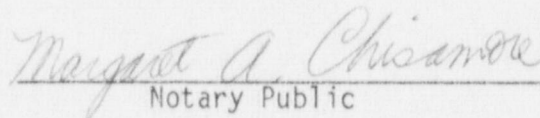
(NOTARIAL SEAL)

STATE OF FLORIDA
COUNTY OF PINELLAS

P. Y. Baynard states that she is the Manager, Nuclear Support Services of Florida Power Corporation; that she is authorized on the part of said company to sign and file with the Nuclear Regulatory Commission the information attached hereto; and that all such statements made and matters set forth therein are true and correct to the best of her knowledge, information and belief.


P. Y. Baynard

Subscribed and sworn to before me, a Notary Public in and for the State and County above named, this 5th day of December, 1980.


Notary Public

Notary Public, State of Florida at Large,
My Commission Expires: May 29, 1984

Chisamore(Notary)(D12)