

**Florida
Power**
CORPORATION

October 8, 1979
File: 3-0-3-2-3

Mr. William Gammill
Acting Assistant Director
for Operating Reactors Projects
Division of Operating Reactors
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Subject: Crystal River Unit 3
Docket No. 50-302
Operating License No. DPR-72
Re: ADEQUACY OF STATION ELECTRIC DISTRIBUTION SYSTEMS
VOLTAGES

Dear Mr. Gammill:

In response to your letter dated August 8, 1979, we are currently reviewing our electric power systems at CR#3. To date, we have reviewed the original calculations and analyses which provided the original design and specification data. This review has indicated that the on-site distribution system while powered from the offsite power system (Unit 3 Startup Transformer) is adequate to start and operate all required safety loads under the conditions stated in the August 8 letter. This conclusion was verified during the Turbine/Reactor Trip Test during which all on-site loads were transferred to the offsite source. The test and results are described in Section 4.6 of the Crystal River Unit 3 Startup Report, dated July 27, 1977.

Since the original design and startup of the plant, there have been several modifications/additions to the on-site distribution system. We expect that the impact of these are insignificant relative to the overall system, but it does warrant a closer review. Also, we desire to collect and use some actual field data for various loads which will provide the most accurate data to use for our analyses. Additional testing may also be desired for further verification.

To collect this data, perform the additional analyses, and possible testing will require additional time. We will provide the results of all our reviews and tests on this subject by November 19, 1979, in accordance with the August 8th letter.

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Mr. William Gammill

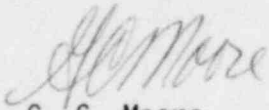
Page Two

October 8, 1979

If you have any questions concerning this subject, please contact us.

Very truly yours,

FLORIDA POWER CORPORATION



G. C. Moore
Assistant Vice President
Power Production

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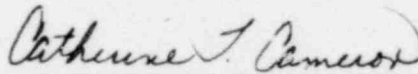
STATE OF FLORIDA
COUNTY OF PINELLAS

G. C. Moore states that he is the Assistant Vice President, Power Production, of Florida Power Corporation; that he 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 his knowledge, information and belief.



G. C. Moore

Subscribed and sworn to before me, a Notary Public in and for the State and County above named, this 8th day of October, 1979.



Notary Public

Notary Public, State of Florida at Large,
My Commission Expires: August 8, 1983

CameronNotary 3(D12)

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