

**Florida
Power**
CORPORATION

December 5, 1979

File: 3-0-3-a-3

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

Subject: Crystal River Unit 3
Docket No. 50-302
Operating License No. DPR-72

Dear Mr. Gammill:

Florida Power Corporation has reviewed the electrical power systems at CR-3 in accordance with your letter dated August 8, 1979, and has determined that the off-site power system and the on-site distribution system are adequate to allow the safety loads to perform their function under all conditions as described in the NRC letter. This conclusion is based on calculations and analyses performed using the latest Plant Loading Summary and the Guidelines issued with the NRC letter.

With reference to Item 6 of the Guidelines contained in your letter, we do not have, nor are we proposing any "Limiting Conditions for Operation" for conditions where the off-site circuit voltage is less than the "minimum expected value." Two procedures do exist (AP-112 and EP-101) for action following a total loss of off-site power from the normal source. As described in our letter, dated August 10, 1979, to Mr. Robert W. Reid, a sustained degraded grid voltage condition at CR-3 is a very unlikely event, and our existing design has adequately considered these circumstances.

Existing data available from various tests performed in the past has confirmed that the load data used for our calculations is worst-case data. Although an actual test of the power systems, under the conditions described in the NRC letter, has not been performed, the available data, along with operating experience of such systems, provides the assurance that the power systems will operate as designed.

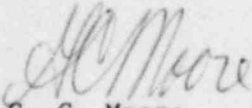
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If you require any further discussion of our response, please contact us.

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 5th day of December, 1979.


Notary Public

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

CameronNotary 3(D12)

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