

**Florida
Power**
CORPORATION

August 10, 1979

File: 3-0-3-a-3

Mr. Robert W. Reid, Chief
Operating Reactors Branch #4
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
Degraded Grid Voltage

Dear Mr. Reid:

On June 13, 1979, Florida Power Corporation (FPC) received your letter of June 11, 1979 concerning degraded grid voltage conditions.

Florida Power Corporation has reviewed the requested information identified in the enclosure of your letter and has reviewed and understands the positions of your staff. This letter is to advise you that Florida Power Corporation does not agree with the staff positions identified in your letter regarding degraded grid voltage conditions.

The basis for our position regarding the requirements you outlined is the fact that the sustained degraded grid voltage condition at the offsite power source for CR #3 (Crystal River 230 KV substation) is a very unlikely event. This is based on the fact that the present Crystal River site consists of two (2) fossil units connected to the 230 KV substation and one (1) nuclear unit (CR-3) connected to the 500 KV substation. The 230 KV substation is connected to the existing transmission network by four (4) circuits and the 500 KV substation is connected by two (2) circuits. Planned for the near future, are two (2) additional fossil units, one to be connected to the 230 KV substation in 1982, and one to the 500 KV system in 1984. This makes the Crystal River site very stable in regards to the grid voltage at the substations and it will improve in the near future. It would take a loss of all Crystal River units combined with poor system conditions (additional lines out of service, ties between other utilities open) to create the postulated sustained degraded grid voltage condition which could effect the CR-3 emergency power systems. Therefore, FPC feels that this event has been adequately considered with the existing design and we are proposing no changes to our system.

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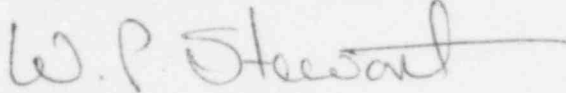
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Should you or members of your staff wish to provide additional details of your review of our design supporting your position and the need for modifications at CR #3, Florida Power Corporation hereby commits to review this information and reconsider its position at that time based on this new information.

If you wish to discuss this matter further, please contact my office.

Very truly yours,

FLORIDA POWER CORPORATION

A handwritten signature in dark ink, appearing to read "W. P. Stewart", with a long horizontal flourish extending to the right.

W. P. Stewart
Manager, Nuclear Operations

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STATE OF FLORIDA
COUNTY OF PINELLAS

W. P. Stewart states that he is the Manager, Nuclear Operations, 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.


W. P. Stewart

Subscribed and sworn to before me, a Notary Public in and for the State and County above named, this 10th day of August, 1979.


Notary Public

Notary Public, State of Florida at Large,
My Commission Expires: August 24, 1983

(CrockettNotary 2 D12)