

**Florida
Power**
CORPORATION

W. P. STEWART, DIRECTOR
POWER PRODUCTION

November 7, 1978

File: 3-0-3-a-3

Mr. Robert W. Reid, Chief
Operating Reactor Branch #4
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
ECCS Small Breaks Analysis

Dear Mr. Reid:

Your letter of September 26, 1978, provided the staff position regarding allowable operator actions for which credit may be taken following a Condition III event (small LOCA). Specifically, operator action to balance high pressure injection flow from one pump through four injection lines is not permitted within twenty (20) minutes after initiation of the event.

Gilbert Associates, Inc., has just completed a High Pressure Injection System Analysis and the results show that no flow balancing is required of an operator when the A HPI pump is injecting through four lines. The natural flow rates range from 133 gpm to 142 gpm (22.6% to 28.4% of 500 gpm). A review of HPI pumps B and C is being performed to confirm these flow rates with the other pumps. This analysis should be completed by November 30, 1978, and the results will be submitted for your review at that time.

GAI used the PIPF computer code for this analysis which was also used to perform the Borated Water Storage Tank analyses in 1976 and 1977 (reference GAI Report 1955 and Topical Report GAI-TR-105-NP-A).

Please inform us of the results of your review of our proposed modification to the Engineered Safeguard System to mitigate the Condition III event (small LOCA) as soon as possible so that we may proceed with the installation.

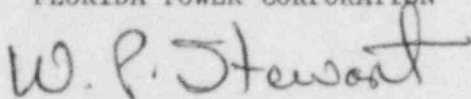
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*Pool
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If you have any questions concerning our proposed modification or the GAI analysis, please contact this office.

Sincerely,

FLORIDA POWER CORPORATION

A handwritten signature in dark ink, appearing to read "W. P. Stewart". The signature is written in a cursive style with a long horizontal stroke at the end.

W. P. Stewart

WPS/ldd

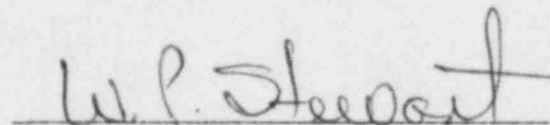
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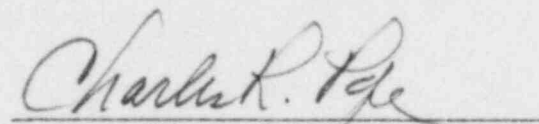
STATE OF FLORIDA

COUNTY OF PINELLAS

W.P. Stewart states that he is the Director, 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.


W.P. Stewart

Subscribed and sworn to before me, a Notary Public in and for the State and County above named, this 7th day of November, 1978.


Notary Public

Notary Public, State of Florida at Large,
My Commission Expires: July 25, 1980