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| | XXX | | | 3 | 50-389 |

DESCRIPTION:
Ltr re our 10-10-73 ltr, furnishing information regarding Anticipated Transients Without Scram for St. Lucie Unit #2

ENCLOSURES:

DO NOT REMOVE

PLANT NAME: St. Lucie Unit # 2

ACKNOWLEDGED

FOR ACTION/INFORMATION 1-12-74 GC

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P.O. BOX 3100 MIAMI, FLORIDA 33101

FLORIDA POWER & LIGHT COMPANY

Regulatory Docket File



December 31, 1973



Mr. Angelo Giambusso, Deputy Director
for Reactor Projects
Directorate of Licensing
Office of Regulation
U. S. Atomic Energy Commission
Washington, D. C. 20545

Dear Mr. Giambusso:

Re: St. Lucie Plant Unit No. 2
Docket No. 50-389

In response to your October 10, 1973 letter concerning the subject of Anticipated Transients Without Scram (ATWS), the approach that we intend to follow for St. Lucie Plant Unit No. 2 (Docket No. 50-389) is AEC Staff Position IB specified in Appendix A. Wash 1270, UC-78 of September 1973 titled "Technical Report on Anticipated Transients Without Scram for Water-Cooled Power Reactors." Implementation to make ATWS consequences acceptable will be in accordance with the guidelines and schedule of Section IIB of Appendix A.

In support of meeting these requirements the reactor vendor, Combustion Engineering, has advised that they plan to complete the development of the ATWS evaluation model, applicable to all CE reactor plants, on a timely basis with frequent meetings with the AEC staff to generate a model acceptable to the AEC. Once the ATWS analysis model is approved by the AEC, it will be applied to the Unit No. 2 plant to determine if specific design changes are needed to make the consequences of ATWS acceptable. In addition, a review of the reactor protective system will be conducted with the aim of identifying and correcting areas that might be particularly vulnerable to common mode failures. A schedule for the accomplishing of these objectives is being developed.

Very truly yours,

Robert E. Uhrig

Robert E. Uhrig
Director of Nuclear Affairs

REU:nch

cc: Mr. Jack R. Newman

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