

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)
DISTRIBUTION FOR INCOMING MATERIAL 50-335

REC: DAVIS D K
NRC

ORG: JUHRIG R E
FL PWR & LIGHT

DOC DATE: 02/08/78
DATE RCVD: 02/14/78

DOCTYPE: LETTER NOTARIZED: NO
SUBJECT:

COPIES RECEIVED
LTR 3 ENCL 0

ADDL INFO CONCERNING AUGMENTED SPENT FUEL STORAGE IN RESPONSE TO
NRC LTR DTD 10/27/78.

PLANT NAME: ST. LUCIE - UNIT 1

REVIEWER INITIAL: XEF
DISTRIBUTOR INITIAL:

***** DISTRIBUTION OF THIS MATERIAL IS AS FOLLOWS *****

GENERAL DISTRIBUTION FOR AFTER ISSUANCE OF OPERATING LICENSE,
(DISTRIBUTION CODE A001)

FOR ACTION: BRANCH CHIEF DAVIS**LTR ONLY(7)

INTERNAL:

REG FILE**LTR ONLY(1)

~~I & E**LTR ONLY(2)~~

HANAUER**LTR ONLY(1)

EISENHUT**LTR ONLY(1)

BAER**LTR ONLY(1)

GRIMES**LTR ONLY(1)

J. MCGOUGH**LTR ONLY(1)

NRC PDR**LTR ONLY(1)

DELD**LTR ONLY(1)

CHECK**LTR ONLY(1)

SHAO**LTR ONLY(1)

BUTLER**LTR ONLY(1)

J COLLINS**LTR ONLY(1)

EXTERNAL:

LPDRIS

FJ. PIERCE, FL**LTR ONLY(1)

TIC**LTR ONLY(1)

NSIC**LTR ONLY(1)

ACRS CAT B**LTR ONLY(16)

DISTRIBUTION: LTR 40 ENCL 0
SIZE: 2P

CONTROL NBR: 780460249

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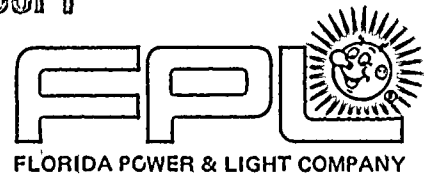
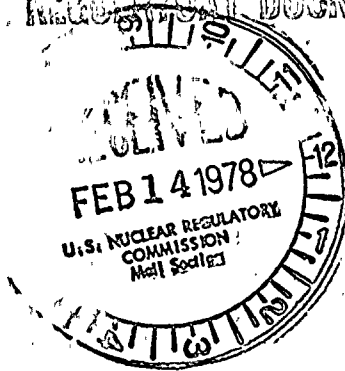
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February 8, 1978
L-78-45

Director of Nuclear Reactor Regulation
Attention: Mr. Don K. Davis, Acting Chief
Operating Reactors Branch #2
Division of Operating Reactors
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Dear Mr. Davis:

Re: Additional Information
St. Lucie 1 Augmented Spent Fuel Storage

Your letter of October 27, 1977, requested additional information regarding our proposed modification to augment the spent fuel storage capacity at St. Lucie Unit No. 1. Our responses to your questions were provided in my letter to you dated December 8, 1977 (L-77-369). The following is provided in response to discussions with your staff as additional clarification to our December 8 letter.

Regarding question 5 of your October 27, 1977 letter; Subsection NF of ASME Code Section III, as it pertains to the material and fabrication specifications and the installation and inspection requirements, was used in the St. Lucie spent fuel rack modification.

Regarding question 7 of your October 27, 1977 letter, an additional SSE check computer analysis and verification has been made for the new St. Lucie spent fuel racks. The computer analysis, verification, and assumptions used are identical to the SSE seismic analysis described in Section 3.2 of our "Spent Fuel Storage Facility Modification Safety Analysis Report" except that no credit was taken for damping due to the racks' submergence in water. The results reverify that the peak stresses in the rack modules are within the allowable stress criteria for faulted conditions per Subsection NF.

Additionally, an OBE check computer analysis and verification was made for the new spent fuel racks using OBE floor time histories. The methods and assumptions used for verifying the OBE case were identical to those used for the

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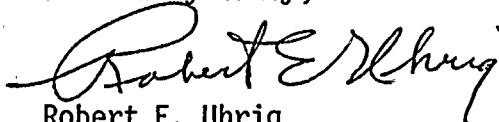
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Mr. Don K. Davis
Page Two

SSE case described in Section 3.2 of our "Spent Fuel Storage Facility Modification Safety Analysis Report". The results verify that the peak stresses in the rack modules are within the allowable stress criteria for emergency conditions per Subsection NF.

We trust that this completes the information you require.

Yours very truly,



Robert E. Uhrig
Vice President

REU:JAE:s1

cc: Mr. Edward Reeves
Harold F. Reis, Esquire

