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 RECIP. NAME: EISENHUT, D. G. RECIPIENT AFFILIATION: Division of Licensing

DOCKET #
05000389

SUBJECT: Discusses commitment re fragmentation of embrittled cladding per 830303 meeting. Results of ECCS analysis encl. Info previously discussed in Section 4.2.3(a) of SER (NUREG-0843).

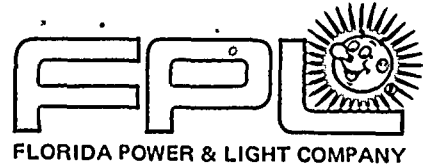
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March 10, 1983
L-83-138

Office of Nuclear Reactor Regulation
Attention: Mr. Darrell G. Eisenhut, Director
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D.C. 20055

Dear Mr. Eisenhut:

Re: St. Lucie Unit No. 2
Docket No. 50-389
Fragmentation of Embrittled Cladding

At a meeting on March 3, 1983, Florida Power & Light and Combustion Engineering discussed with your staff the ECCS performance analyses for Cycles 1 through 3 and future cycles. This has been previously discussed in Section 4.2.3(a) of NUREG 0843.

As a result of this meeting, FP&L committed to provide the results of the following analyses:

Safety analyses which are sensitive to fission gas release will be performed, for St. Lucie Unit 2, using the FATES-2 computer code. The NRC fission gas release enhancement factor or other approved methods will be used with these analyses.

This analysis has been performed for St. Lucie Unit 2, Cycles 1 through 3. The attached Table summarizes the results and demonstrates their acceptability.

Very truly yours,

Robert E. Uhrig
Vice President
Advanced Systems & Technology

REU/RJS/PPG/rms

Attachment

cc: J. P. O'Reilly, Region II
Harold F. Reis, Esquire

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A PDR



TABLE 1

RESULTS OF CALCULATION

	CYCLE 1 LICENSING ANALYSIS	CYCLE 3 END OF CYCLE CALCULATION
PEAK CLADDING TEMPERATURE	2098°F	2057°F
MAXIMUM LOCAL CLADDING OXIDATION	15.8%	14.0%
ROD AVERAGE BURNUP	620 MWD/T	40.2 GWD/T

