

E 05/17/78

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DOC DATE: 05/08/78
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SUBJECT:
FURNISHING INFO AND APPLICANT'S PLANS FOR ANALYZING OPERATION OF SUBJECT
FACILITY WITH GREATER THAN 19% PLUGGED STEAM GENERATOR TUBES.

PLANT NAME: TURKEY PT #3

REVIEWER INITIAL: XJM
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Docket #
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FLORIDA POWER & LIGHT COMPANY
RECEIVED DISTRIBUTION SERVICES UNIT
MAY 17 8 16 AM '78
U.S. NUCLEAR REGULATORY COMMISSION SERVICES

Director of Nuclear Reactor Regulation
Attention: Mr. Victor Stello, Director
Division of Operating Reactors
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Stello:

Re: Turkey Point Unit 4
Docket No. 50-250
ECCS Analysis

Turkey Point Unit 4 is presently authorized to operate with up to 19% plugged steam generator tubes. Following the next Unit 4 steam generator inspection and preventive tube plugging outage, the percentage of plugged steam generator tubes may exceed 19%. We have, therefore, decided to analyze for operation of Turkey Point Unit 4 with greater than 19% plugged steam generator tubes. The results of this analysis, as well as any necessary license amendments, will be submitted to you for review.

Our plans for analyzing operation with greater than 19% plugged steam generator tubes are summarized below. We would appreciate receiving any comments which you might have on our planned analysis by May 31, 1978 so as not to impact our schedule.

Operation of Turkey Point Unit 4 will be evaluated assuming 25% plugged steam generator tubes and a reactor coolant flow rate of 95% design flow. The evaluation will include the effect of 95% design flow on the DNBR related accidents analyzed in Chapter 14 of the Turkey Point FSAR and will also include a large break ECCS re-evaluation for the presently identified limiting break size. An ECCS re-evaluation will be performed for the specific fuel loading and burnup of Unit 4, Cycle 5 using the currently approved Westinghouse evaluation model, corrected for the Zircaloy/water coding inconsistency. After the NRC has approved recent model improvements submitted by Westinghouse, the

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Mr. Victor Stello, Director
U. S. Nuclear Regulatory Commission
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ECCS will be again re-evaluated. The DNBR related accidents will be based on Unit 4, Cycle 5 and Unit 3, Cycle 6 operating parameters and NRC approved correlations, codes, and methods.

Very truly yours,

for 
Robert E. Uhrig
Vice President

REU:MAS:GDW:sl

cc: Mr. James P. O'Reilly, Region II
Robert Lowenstein, Esquire