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 50-251 Turkey Point Plant, Unit 4, Florida Power and Light C 05000251  
 AUTH. NAME AUTHOR AFFILIATION  
 UHRIG, R.E. Florida Power & Light Co.  
 RECIP. NAME RECIPIENT AFFILIATION  
 SCHWENCER, A. Operating Reactors Branch 1

SUBJECT: Withdraws proposed Tech Specs changes re fuel rod bowing.

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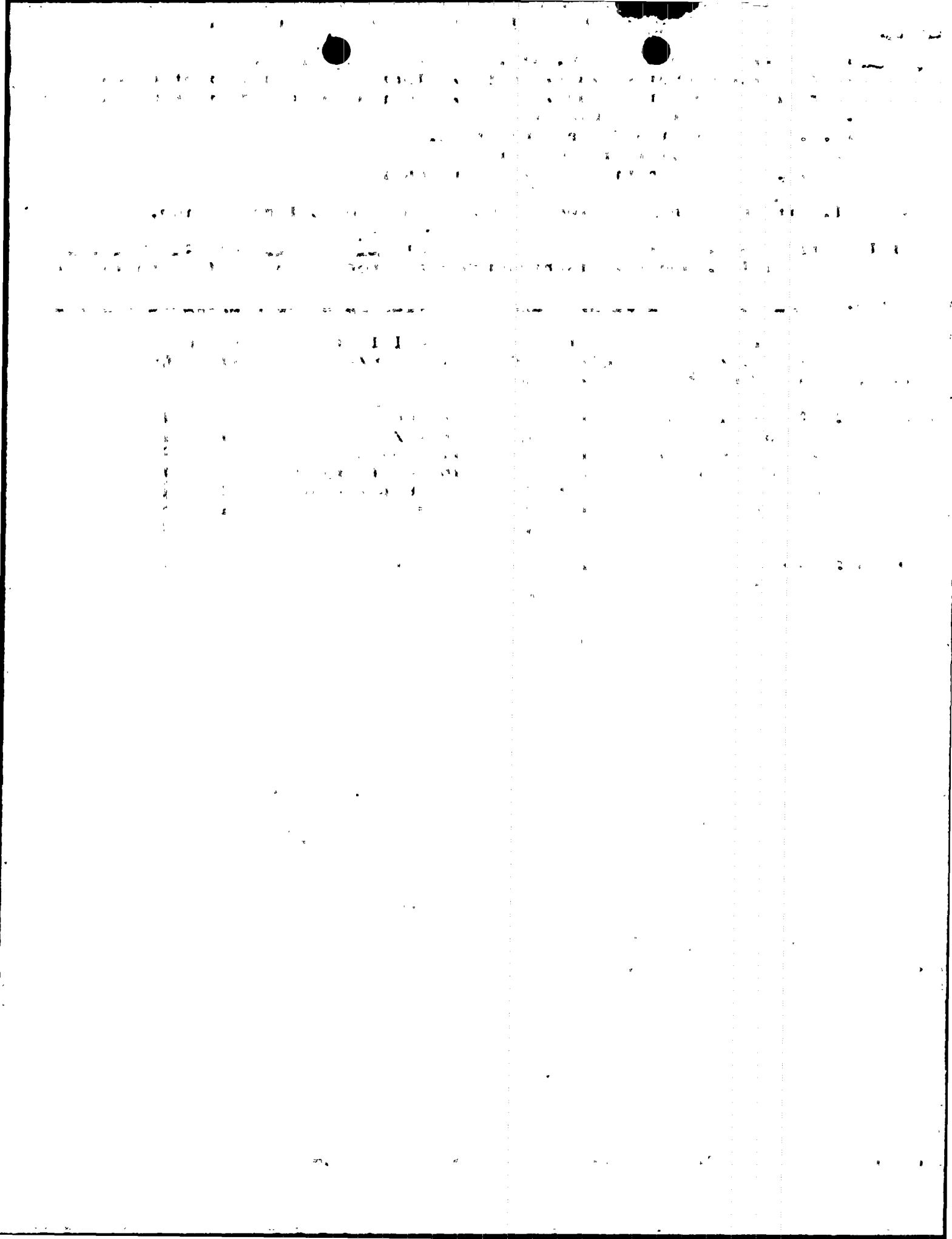
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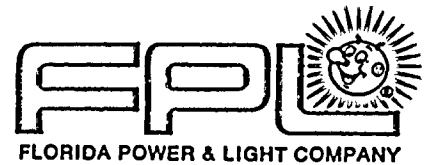
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December 20, 1979  
L-79-358

Office of Nuclear Reactor Regulation  
Attention: Mr. A. Schwencer, Chief  
Operating Reactors Branch #1  
Division of Operating Reactors  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Dear Mr. Schwencer:

Re: Turkey Point Units 3 & 4  
Docket Nos. 50-250 and 50-251  
Fuel Rod Bow

On August 19, 1976, Florida Power & Light Company (FPL) submitted a letter to NRC committing to an administrative  $F_{\Delta H}^N$  penalty to account for the effects of fuel rod bowing on the departure from nucleate boiling ratio (DNBR) (L-76-300). On April 4, 1977, FPL (L-77-106) submitted a proposed change to Facility Technical Specifications consisting of a revision to Figure 2.1-1 which would account for effects of fuel rod bowing. The original April 4, 1977 submittal was most recently revised on May 21, 1979 (L-79-127).

Since that time, the NRC has completed the review of Westinghouse's partial rod bow test data and analyses, and an April 5, 1979 NRC acceptance letter from J. F. Stolz (NRC) to T. M. Anderson (W) was issued. These analyses showed that the generic DNB margins are sufficient to accommodate the approved DNBR effects for full flow conditions and the loss of flow accident up to a region average burnup at least 33,000 MWD/MTU. By the time the fuel attains a burnup of 33,000 MWD/MTU, it is not capable of achieving limiting peaking factors,  $F_{\Delta H}^N$ , due to the decrease in fissionable isotopes and the buildup of fission product inventory. Its  $F_{\Delta H}^N$  will be below the limiting peaking factors. Therefore, no additional  $F_{\Delta H}^N$  penalty on  $F_{\Delta H}^N$  needs to be taken.

In view of the above discussion, Florida Power & Light Company is eliminating the administrative restrictions on the  $F_{\Delta H}^N$  limit due to fuel rod bowing and is withdrawing the proposed change to Figure 2.1-1 of the Turkey Point Technical Specifications which was submitted to account for fuel rod bowing. Florida Power & Light Company requests that NRC continue to review the FPL topical reports submitted in support of the Technical Specification change. We plan to use these topicals in future licensing applications.

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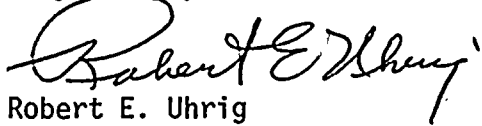
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Office of Nuclear Reactor Regulation  
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Please call me if you should have any question in this matter.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Robert E. Uhrig".

Robert E. Uhrig  
Vice President  
Advanced Systems and Technology

REU/GDW/ah

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

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