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July 5, 1978  
IPO-126

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Director of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Attention: Mr. Albert Schwencer, Chief  
Operating Reactors Branch No. 1

Subject: Indian Point 3 Nuclear Power Plant  
Docket No. 50-286

CHIEF OF NRC  
REGULATORY SERVICES  
1978 JUL 10 PM 1 26  
REGISTRATION  
SERVICES UNIT

Dear Sir:

On March 8, 1977 NRC requested the submittal of either revised technical specification limits for  $F_N$  to account for the effects of fuel rod bowing on departure from nucleate boiling (DNB) or an explanation of why such revised limits were not required for Indian Point 3.

Consolidated Edison responded on April 20, 1977 with an Application for Amendment to Operating License proposing technical specification changes revising limits for  $F_N$ . The revised limits included the following generic margins for IP3 in % DNB:

Design Pitch Reduction	3.3
Thermal Diffusion (0.038 vs 0.019 design)	3.0
95 x 95 criteria, DNBR (1.24 vs 1.30 design)	4.8
Power Spike Penalty (Densification)	7.0
Total	<u>18.1</u>

Since that time, Westinghouse data on rod bow submitted to the Commission, re: W letter NS-CE-1580 dated October 24, 1977, demonstrated that enough generic margins are available to offset the rod bow penalty.

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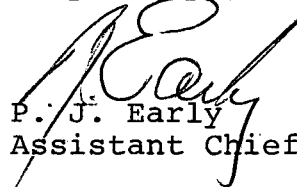
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The net result of the Westinghouse revision is that end-of-life burnup DNBR bow penalties are reduced from the current 34% to 11.7% for 15 x 15 LOPAR fuel. The application of 18.1% DNBR generic margins at IP3 offsets the new 11.7% net rod bow penalty. In addition, as indicated in the April 20, 1977 submittal, there exist additional DNBR margins for IP3 resulting from primary coolant flow rate above design and from reduced core inlet fluid temperature for which no credit is being taken at this time.

In view of the above discussion, the Power Authority hereby withdraws the Application for Amendment to Operating License dated April 20, 1977 which proposed technical specification changes revising limits for  $F_N$ , with the conviction that no revision of  $F_N$  limits is  $\Delta H$  required for the Indian Point 3 Nuclear Power Plant.

Very truly yours,



P. J. Early  
Assistant Chief Engineer-Projects

cc: Hon. George V. Begany  
White Plains Public Library  
C. Jackson