

John D. O'Toole
Vice President

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Telephone (212) 460-2533

October 24, 1985

Re: Indian Point Unit No. 2
Docket No. 50-247

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

ATTN: Mr. Steven A. Varga, Chief
Operating Reactors Branch No. 1
Division of Licensing

Dear Mr. Varga:

On August 6, 1985 we submitted an "Application for Amendment to Operating License" requesting the deletion of the anticipatory reactor trip upon turbine trip below 35% power for Indian Point 2 (IP-2). This letter is in response to a request by your staff for additional information regarding our August 6, 1985 submittal. The following is the requested information.

In the analyses enclosed with our August 6, 1985 submittal, the change in reactivity feedback was achieved by postulating zero moderator density coefficient for the minimum feedback and a very large moderator coefficient for the maximum feedback. Doppler power coefficients were adjusted to provide consistent minimum and maximum reactivity feedbacks. The values of these coefficients are shown below:

Moderator Density Coefficient:

0 to $0.43 \Delta \rho / \text{g/cc}$

Doppler Power Coefficient:

-0.465×10^{-4} to $-1.38 \times 10^{-4} \Delta \rho / \% \text{ power at } 50\% \text{ power}$

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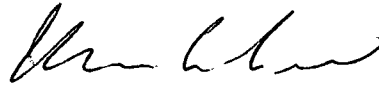
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TO: S. Varga

FROM: J. D. O'Toole

Should you or your staff have any further questions, do not hesitate to call.

Very truly yours,



for John D. O'Toole
Vice President

cc: Senior Resident Inspector
U. S. Nuclear Regulatory Commission
P. O. Box 38
Buchanan, New York 10511