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May 24, 1978
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Director of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

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

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

Dear Mr. Schwencer:

Attached herewith is the "Indian Point 3 Cycle 2 Eighteen (18) Case FAC Reanalysis", in response to a request by NRC staff.

As noted in Supplement 1 to the Safety Evaluation Report regarding the proposed power increase to rated design power of the Indian Point 3 reactor, dated April 17, 1978, Section III, this attachment provides the results of a plant specific constant axial offset control analysis of eighteen (18) cases of load following which ensures that the Fq limit of 2.17 will not be exceeded in normal operation of the plant.

The reanalysis was based on a Cycle 1 power rating limited to 91%. Sufficient advantages in power distribution parameters; e.g., Fxy (Z), Axial offset; are available when a 91% power restriction is assumed for all of Cycle 1, so that Cycle 2 may be operated at 100% power with no restrictions except to limit the most positive axial flux difference pertinent to less than +10% at 100% power.

Since the validity of the analysis is predicated on restricting Indian Point 3 Cycle 1 to power operation at a below 91% of full rated power (3025 MWt), the Power Authority hereby makes that commitment.

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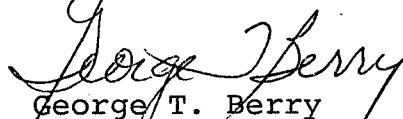
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This submittal is made in support of our "Application for Amendment to Operating License", dated April 7, 1978. Appropriate modifications to that application will be made in an upcoming submittal.

Very truly yours,


George T. Berry
General Manager and
Chief Engineer

Att:

cc: w/att.

George V. Begany
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