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INDIAN POINT UNIT

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US NRC
REGULATORY SERVICES
BRANCH

January 16, 1981

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:

The purpose of this letter is to confirm recent discussions with members of the NRC Regulatory Staff regarding the use of profilometry in our current Indian Point Unit No. 2 steam generator inspection program.

As stated in my December 2, 1980 letter, where profilometry examination results justified that a tube not passing a 610 mil probe need not be plugged, we agreed to obtain NRC approval for not plugging that tube prior to the completion of the inspection program. All tubes not passing a 610 mil probe in steam generators 21, 23 and 24 were preventively plugged. The tubes in steam generator 22 which did not pass a 610 mil probe were then examined for strain using the profilometry technique. Tubes exhibiting high strain (i.e., at least 18%) were preventively plugged. Those showing lower strain, with the exception of one tube which had already been plugged, were not plugged.

Based on the above strain criterion and discussions with the Staff, four tubes in steam generator 22 not passing a 610 probe will remain in service as special test cases to benchmark the predictive capability of the profilometry technique. These four tubes will be included in the next steam generator inspection program.

A comprehensive report on the detailed results of the recently completed steam generator inspection program is in preparation and will be forwarded to you shortly for review and approval.

Should you or your staff have any additional questions, please contact us.

Very truly yours,

John D. O'Toole

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