

POWER AUTHORITY OF THE STATE OF NEW YORK

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October 8, 1981
IPN-81-75

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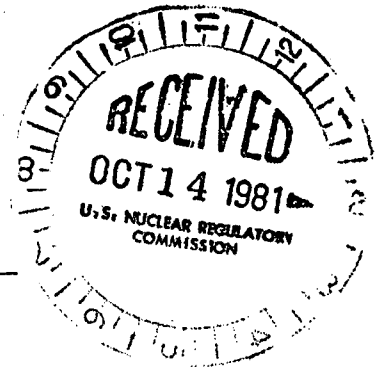
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Director of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

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

Subject: Indian Point 3 Nuclear Power Plant
Docket No. 50-286
Turbine Disc Inspection Schedule



Dear Sir:

By letter dated September 1, 1981 you requested the Authority to commit to the criteria for low pressure nuclear turbine disc inspection. This letter is provided to inform you that the Authority will follow the inspection criteria recommended in your letter.

However, it should be noted that the Indian Point 3 rotors will be completely replaced. Two new rotors are scheduled to be installed during the upcoming refueling outage, and the third refurbished rotor is scheduled to be installed during the subsequent refueling outage. These rotors contain Westinghouse's low yield strength discs which possess considerably lower postulated crack growth rate (if a crack should occur) and are resistant to stress corrosion cracking. In addition, the new keyplate design eliminates the keyways in the discs which experienced keyway cracking.

All new or refurbished rotors will be baseline inspected for cracks in the discs and keyplates prior to installation. Subsequently, the Authority will inspect these rotors in accordance with the schedule and criteria contained in the attachment to the September 1, 1981 letter. The Authority is planning to eliminate turbine disc inspections if the results of these two consecutive inspections of each new or refurbished rotor verify no flaw indications. This position is

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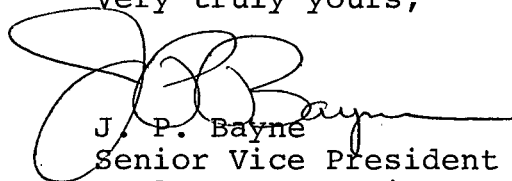
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consistent with the following statement in the aforementioned September 1, 1981 letter: "Until a satisfactory solution can be found we believe that it would be prudent for you to continue inspecting your low-pressure turbine discs..." The Authority requests a response from the NRC, concerning this position by the end of 1982.

In addition, the Authority would like to stress the importance of the NRC's prompt review of the two proprietary reports that Westinghouse transmitted to the NRC on July 11, 1981.

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

Very truly yours,



J. P. Bayne
Senior Vice President
Nuclear Generation

cc: Mr. T. Rebelowski
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