

April 24, 1987 -

MEMORANDUM FOR: Sholly Coordinator

FROM: Robert A. Capra, Acting Director
Project Directorate I-1
Division of Reactor Projects, I/II

SUBJECT: REQUEST FOR PUBLICATION IN BI-WEEKLY FR NOTICE -
NOTICE OF CONSIDERATION OF ISSUANCE OF AMENDMENT
TO FACILITY OPERATING LICENSE AND PROPOSED NO
SIGNIFICANT HAZARDS CONSIDERATION DETERMINATION
AND OPPORTUNITY FOR A HEARING

DISTRIBUTION
Docket File C. Vogan
NRC PDR
D. Neighbors
J. Scinto
PDI-1 Rdg.

Power Authority of The State of New York, Docket No. 50-286, Indian Point
Unit No. 3, Westchester County, New York

Date of amendment request: February 9, 1987

Description of amendment request: This application for revision to the Indian Point 3 Technical Specifications seeks to permit the resumption of power operations without prior NRC approval subsequent to a steam generator inspection requiring the inspection of all tubes per the provisions of Table 4.9-1 of the Technical Specifications. In addition, the definition of Tube Inspection is being modified and historical references to the tube plugging limit of 63% degradation, which was valid for Cycle 4 only, are being deleted. The proposed change will revise Section 4.9 to reflect new information concerning wastage-type defects. Table 4.9-1 is also being revised to reflect that a defective tube may be repaired by plugging or sleeving.

The proposed Technical Specifications will delete the provision for NRC approval prior to resuming power operation subsequent to a steam generator inspection whose results have been classified as Category C-3

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requiring the inspection of all tubes. Technical Specification 4.9.C.3 will be revised to require notification to the NRC prior to resumption of power operation from a steam generator inspection requiring the inspection of all tubes. The proposed Technical Specifications are consistent with the Westinghouse Standard Technical Specifications which require the prompt notification of Category C-3 results but do not include a requirement for NRC approval prior to resumption of power operation.

The Indian Point 3 Technical Specifications currently require sample inspections from the hot leg tubesheet to the top support on the cold leg side. In light of the degradation on the cold leg side, full length tube inspections will be performed for the initial 3% sample defined in Table 4.9-1. Additional sample inspections may be limited to a partial length inspection concentrating on those locations where degradation has been found. This definition of tube inspection is that recommended by Generic Letter 85-02, "Staff Recommended Actions Stemming from NRC Integrated Program for the Resolution of Unresolved Safety Issues Regarding Steam Generator Tube Integrity."

For Cycle 4 only, the plugging limit was increased to 63% degradation from 40% degradation. Upon completion of Cycle 4 operations the tube plugging limit reverted to 40%. The historical references to the 63% tube plugging limit in Section 4.9 are being deleted for the sake of clarity. Basis for proposed no significant hazards consideration determination: The Commission has provided standards for determining whether a significant hazards consideration exists as stated in 10 CFR 50.92. A proposed

amendment to an operating license for a facility involves no significant hazards consideration if operation of the facility in accordance with a proposed amendment would not: (1) Involve a significant increase in the probability or consequences of an accident previously evaluated; or (2) Create the possibility of a new or different kind of accident from any accident previously evaluated; or (3) Involve a significant reduction in a margin of safety.

The following analysis has been made of these changes:

1. Does the proposed license amendment involve a significant increase in the probability or consequences of an accident previously evaluated?

This change does not impact the extent of the steam generator tube inspections nor does it impact the corrective measures to be taken upon the identification of a defective tube. The licensee will plug or sleeve the identified defective tubes prior to commencement of power operation, regardless of the requirements for prior NRC approval.

The requirement for NRC approval prior to operation after a steam generator tube inspection with C-3 results has been in the Technical Specifications since they were originally issued. The approval requirement was not added due to increased tube degradation. However, NRC approval was required after a mid-cycle (Cycle 4) inspection when a requirement for additional inspection was imposed because of tube degradation. These additional inspection requirements have expired and have been removed from the Technical Specifications. Thus, NRC approval is no longer needed for any additional inspections. For all inspections, the NRC has determined that the level of safety will not be degraded by deleting the requirement for NRC approval.

The change related to tube inspection will result in an inspection where the actual tube degradation has been shown to occur. The change to the 40% plugging limit was previously approved and the 63% limits are being deleted for clarity. Based on the above, the changes do not involve a significant increase in the probability or consequences of an accident previously analyzed.

2. Does the proposed license amendment create the possibility of a new or different kind of accident from any accident previously evaluated?

This proposed amendment will not vary or affect any plant operating condition or parameter. Hence, the possibility of a new or different kind of accident from any accident previously evaluated is not created.

3. Does the proposed amendment involve a significant reduction in a margin of safety?

The proposed change seeks, in part, to delete the requirement for NRC approval prior to resumption of power operation from an outage which included Category C-3 steam generator inspection results requiring the inspection of all tubes. The licensee will still be required to plug or sleeve identified defective tubes prior to resumption of power operation. As such, the margin of safety will not be reduced.

The proposed change also seeks to revise the definition of Tube Inspection. In light of the degradation on the cold leg side, the scope of the tube inspection will be expanded to a full length inspection for the initial 3% sample. Additional sample inspections may be limited to a partial length inspection concentrating on those locations where degradation has been identified. This revised definition of tube inspection

will ensure the continued inspection of the cold leg side, where degradation has been previously identified. As such, the margin of safety will not be reduced.

Other changes delete historical information or clarify the Technical Specifications. Thus, the margin of safety will not be reduced.

Based on the above, the staff proposes to determine that the proposed changes do not involve a significant hazards consideration.

Local Public Document Room location: White Plains Public Library,
100 Martine Avenue, White Plains, New York 10601

Attorney for licensee: Mr. Charles M. Pratt, 10 Columbus Circle, New York,
New York 10019

NRC Project Director: Robert A. Capra, Acting Director

Robert A. Capra, Acting Director
Project Directorate I-1
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* SEE PREVIOUS CONCURRENCE

PDI-1
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2/26/87

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2/26/87

OGC
MKarman*
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RCapra
4/24/87

Local Public Document Room location: White Plains Public Library,

100 Martine Avenue, White Plains, New York 10601

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New York 10019

NRC Project Director: Steven A. Varga

Steven A. Varga, Director
PWR Project Directorate #3
Division of PWR Licensing-A, NRR

*see note
3/17/87*

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