



**John C. Brons**  
Executive Vice President  
Nuclear Generation

February 2, 1989  
IPN-89-009

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Mail Station P1-137  
Washington, D.C. 20555

Subject: Indian Point 3 Nuclear Power Plant  
Docket No. 50-286  
RTD Bypass Manifold Elimination  
Modification Details

Reference 1. Letter dated, January 20, 1989, from J. C. Brons to NRC "Proposed Changes To Technical Specifications Regarding The Transition To Westinghouse 15 x 15 Vantage 5 Fuel and RTD Bypass Manifold Elimination Modification."

Dear Sir:

The Authority proposed Technical Specification changes associated with the transition to Vantage 5 fuel commencing with the Cycle 7 reload in Reference 1. Those proposed Technical Specification changes, as well as the transient and accident analyses supporting the changes, were developed anticipating installation of the new hot and cold leg temperature measurement system that will replace the existing RTD bypass manifold temperature measurement system.

The new system will employ thermowell mounted RTDs installed directly into the hot and cold leg loop piping. The complexity of the bypass manifold piping has been a concern of the Authority for some time. Excessive maintenance and housekeeping activities are necessary as a result of system leakage. These maintenance and housekeeping activities are a significant source of occupational radiation exposure. Experience at other Westinghouse plants indicates that using thermowell mounted RTDs minimizes leakage and; therefore, maintenance and housekeeping activities.

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PDR ADOCK 05000284  
P PDC

*Appl  
1/4 Prop  
1/4 Non Prop*

*Change: NRC PDR 1 1 NP  
LPOR 1 1 NP*

In Reference 1, the Authority committed to provide details of the RTD bypass manifold elimination modification for staff review in a subsequent submittal. Accordingly, transmitted as Attachment A and B to this letter, respectively, are:

Four (4) copies of WCAP-12009, Revision 1, "RTD Bypass Elimination Licensing Report for Indian Point Unit 3" (Proprietary), dated January, 1989.

Four (4) copies of WCAP-12037, "RTD Bypass Elimination Licensing Report for Indian Point Unit 3" (non-proprietary), dated January, 1989.

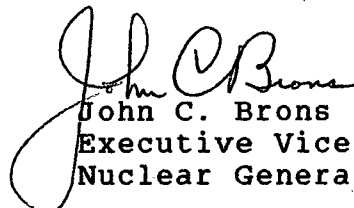
Attachment C is a Westinghouse authorization letter (CAW-89-001), a Proprietary Information Notice, and an accompanying affidavit. Since proprietary claims as to Attachment A are asserted by Westinghouse Electric Corporation, those claims are supported by an affidavit signed by Westinghouse. The affidavit sets forth the basis on which claim is made that the information may be withheld from public disclosure by the Commission, and addresses the considerations listed in 10 CFR Section 2.790(b)(4). Accordingly, it is respectfully requested that Attachment A, or in the alternative such portions of Attachment A as the Commission determines to be protected by 10 CFR Section 2.790 as proprietary to Westinghouse, be withheld from public disclosure in accordance with the Commission's regulations. Correspondence with respect to the proprietary aspects of the Application for Withholding or the supporting Westinghouse affidavit should refer to CAW-89-001 and should be addressed to R. A. Wiesemann, Manager, Regulatory and Legislative Affairs, Westinghouse Electric Corporation, P.O. Box 255, Pittsburgh, PA 15230, with a copy to the undersigned.

Attachments D and E consist of clarifying information typical of that which the staff has requested from other licensees that have undertaken the RTD bypass manifold elimination modification.

The Authority believes that the RTD modification does not involve an unreviewed safety question or a Technical Specification change. The details of the RTD modification contained in the attachments to this letter are provided to support the license amendment and Technical Specification changes for the Cycle 6/7 reload transmitted in Reference 1.

Should you or your staff have any questions regarding this matter, please contact Mr. P. Kokolakis of my staff.

Very truly yours,



John C. Brons  
Executive Vice President  
Nuclear Generation

cc: Mr. Joseph D. Neighbors, Senior Project Manager  
Project Directorate I-1  
Division of Reactor Projects - I/II  
U.S. Nuclear Regulatory Commission  
Mail Stop 14B2  
Washington, D.C. 20555

Resident Inspector's Office  
Indian Point Unit 3  
U.S. Nuclear Regulatory Commission  
P.O. Box 337  
Buchanan, NY 10511

U.S. Nuclear Regulatory Commission  
475 Allendale Road  
King of Prussia, PA 19406