



Ralph E. Beedle
Executive Vice President
Nuclear Generation

September 30, 1991
IPN-91-036

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
Response to Bulletin 88-11 - Pressurizer Surge Line Thermal Stratification

- References:
1. NRC Bulletin 88-11 - "Pressurizer Surge Line Thermal Stratification," dated December 20, 1988.
 2. NRC letter, F. J. Williams to R. E. Beedle, dated August 27, 1991, "Pressurizer Surge Line Thermal Stratification, Bulletin 88-11, Indian Point Nuclear Generating Unit No. 3 (TAC No. 72139)."

Dear Sir:

In response to Reference 1 and Reference 2, this letter notifies the NRC of the completion of the actions required by NRC Bulletin 88-11, "Pressurizer Surge Line Thermal Stratification." The results of the actions required by the Bulletin are available for NRC inspection.

In accordance with the Bulletin, a stress and fatigue analysis which demonstrates that the pressurizer surge line meets applicable design codes for the life of the plant, considering the effects of thermal stratification and thermal striping, has been completed. Attachment I to this letter provides a description of the analytical approaches used in the analysis and a summary of the results of the analysis. This information is required by reporting requirement 3 of Reference 1.

9110080321 910930
PDR ADOCK 05000247
Q PDR

change NRC PDR NSIC
CAF Encl.
1 NP
1 NP
FE 30
1/2

Proprietary and non-proprietary evaluations of the Indian Point Unit 2 and Unit 3 surge lines done by Westinghouse are included as Enclosures A and B respectively. Specifically these enclosures consist of:

- Enclosure A: 2 copies of WCAP-12937, "Structural Evaluation of Indian Point Unit 2 and 3 Pressurizer Surge Lines Considering the Effects of Thermal Stratification" (Proprietary).
- Enclosure B: 2 copies of WCAP-12938, "Structural Evaluation of Indian Point Unit 2 and 3 Pressurizer Surge Lines Considering the Effects of Thermal Stratification" (Non-Proprietary).

Also enclosed, as Enclosure C, are a Westinghouse authorization letter, CAW-91-208, accompanying affidavit, Proprietary Information Notice, and Copyright Notice.


As Enclosure A contains information proprietary to Westinghouse Electric Corporation, it is supported by an affidavit signed by Westinghouse, the owner of the information. The affidavit sets forth the basis on which the information may be withheld from public disclosure by the Commission and addresses with specificity the considerations listed in paragraph (b)(4) of Section 2.790 of the Commission's regulations.

Accordingly, it is respectfully requested that the information which is proprietary to Westinghouse be withheld from public disclosure in accordance with 10 CFR Section 2.790 of the Commission's regulations.

Correspondence with respect to the copyright or proprietary aspects of the items listed above or the supporting Westinghouse Affidavit should reference CAW-91-208 and should be addressed to R. P. DiPiazza, Manager of Nuclear Safety Licensing, Westinghouse Electric Corporation, P.O. Box 355, Pittsburgh, Pennsylvania 15230-0355.

If you have any questions, please contact Mr. P. Kokolakis of my staff.

Very truly yours,


Ralph E. Beedle
Executive Vice President
Nuclear Generation

att: As stated

cc: See next page

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

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

Nicola F. Conicella, Project Manager
Project Directorate I-1
Division of Reactor Projects-I/II
U. S. Nuclear Regulatory Commission
Mail Stop 14B2
Washington, D.C. 20555