



J. Phillip Bayne  
Executive Vice President  
Nuclear Generation

June 25, 1984  
IPN-84-19

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  
Asymmetric Pressure Vessel Loading

Dear Sir:

The Authority's letter dated October 21, 1981 (IPN-81-82) details the September 3, 1981 meeting at which the Authority presented the Indian Point 3 RCS Tearing Stability Analysis to the Staff. The consensus of the staff attendees was that additional material property data is necessary. This letter serves to transmit the additional material property data in the form of tearing resistance curves representative of forged stainless pipe, cast stainless elbows and several weld types. The evaluation of tearing stability analysis and the material property data demonstrated that no crack instabilities would occur for the reactor coolant system hot leg, cross leg, or cold leg. Therefore, a double-ended guillotine LOCA is not possible. Hence, asymmetric pressure vessel loading cannot occur. As a result, the installation of the reactor vessel restraints, as described in WCAP-9117, is not required.

Enclosed are five copies of the reports entitled, "Development of Material Property Data for the Tearing Stability Analysis of the Indian Point 3 Primary Coolant System (Non-Proprietary)", "Development of Material Property Data for the Tearing Stability Analysis of the Indian Point 3 Primary Coolant System (Proprietary)", "Summary of the Tearing Stability Analysis of the Indian Point 3 Primary Coolant System (Non-Proprietary)", and "Summary of the Tearing Stability Analysis of the Indian Point 3 Primary Coolant System (Proprietary)".

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Also enclosed for each proprietary report are:

1. Fracture Proof Design Corporation (FPDC) Application for Withholding from Public Disclosure (Non-Proprietary).
2. Affidavit

As the reports contain information proprietary to FPDC, each is supported by the attached affidavit signed by FPDC, the owner of the information. This 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 10 CFR 2.790. Accordingly, it is requested that the information which is proprietary to FPDC be withheld from public disclosure in accordance with 10 CFR 2.790. Correspondence with respect to the proprietary aspects of the Application for Withholding or the supporting affidavit should be addressed to K. H. Cotter, President, Fracture Proof Design Corporation, 77 Maryland Plaza, St. Louis, Missouri, 63108.

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



J. P. Bayne  
Executive Vice President

cc: Resident Inspector's Office  
Indian Point Unit 3  
U. S. Nuclear Regulatory Commission  
P. O. Box 66  
Buchanan, New York 10511