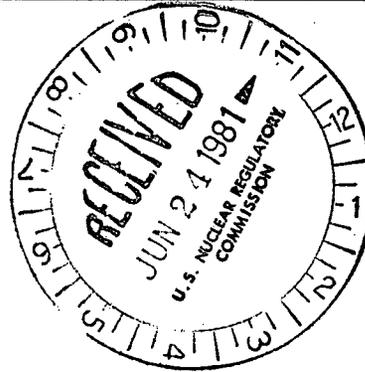


**FRACTURE PROOF DESIGN CORPORATION**

27 Maryland Plaza  
Third Floor  
St. Louis, MO 63108  
(314) 361-6200



June 10, 1981

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, Report  
"Tearing Stability Analysis of the Reactor Coolant System - Indian  
Point #3 Nuclear Power Plant"

Dear Mr. Varga:

Enclosed are:

1. Ten (10) copies of a report entitled, "Tearing Stability Analysis of the Reactor Coolant System - Indian Point #3 Nuclear Power Plant" dated 28 May 1981 (PROPRIETARY).
2. One (1) copy of Application for Withholding.
3. One (1) copy copy of Affidavit.

This information is being submitted in response to the Commission's review of the reactor pressure vessel supports analysis for Indian Point 3, under assymmetric loading.

This submittal contains proprietary information of Fracture Proof Design Corporation. In conformance with the requirements of 10 CFR Section 2.790, as amended, of the Commission's regulations, we are enclosing with this submittal, an application for withholding from public disclosure and an affidavit. The affidavit sets forth the basis on which the information may be withheld from public disclosure by the Commission.

Correspondence with respect to the affidavit or application for withholding should be addressed to Keyren H. Cotter, President, Fracture Proof Design Corporation at the above address.

Sincerely,  
FRACTURE PROOF DESIGN CORPORATION

A handwritten signature in black ink, appearing to read "Keyren H. Cotter". The signature is stylized and somewhat cursive.

Keyren H. Cotter

PA01  
3  
1/10

Encl:

81 06 250 055

FRACTURE PROOF DESIGN CORPORATION

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27 Maryland Plaza  
Third Floor  
St. Louis, MO 63108  
(314) 361-6200

June 10, 1981

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

Subject: Application for withholding from public disclosure

Gentlemen:

We are transmitting herewith, ten copies of a report entitled "Tearing Instability Analysis of the Reactor Coolant System, Indian Point 3 Nuclear Power Plant". Pursuant to 10CFR Section 2.790, as amended, of the Rules and Regulations of the Commission, we hereby request that the report be withheld from public disclosure for the following reasons.

1. The methodology used to perform the analysis in the subject report was developed solely at the expense of Fracture Proof Design Corporation (FPDC).
2. The methods of analysis used are proprietary to FPDC and have not been disclosed to the public or to the Power Authority of the State of New York (PASNY).
3. The development of methods of analysis involving the techniques used in this report are not published elsewhere in the literature.
4. Any person who has access to this information, including employees of FPDC, have signed agreements of non-disclosure and confidential treatment of said proprietary information.
5. FPDC is presently in a very strong competitive position because of its exclusive knowledge of these methods of analysis and disclosure of information in the subject report would irreparably damage the competitive position of FPDC.
6. PASNY has not paid fees equivalent to the cost of development of the technology used in preparation of the subject report. The total fees received for the analysis represent less than ten percent of the value, to FPDC, of the methodology.
7. The only copies of the report which have been given to PASNY have been those from which proprietary information has been deleted.

Please address any questions regarding this matter to Keyren H. Cotter, President, FPDC at the above address.

Sincerely,  
FRACTURE PROOF DESIGN CORPORATION



Keyren H. Cotter, President

STATE OF MISSOURI     )  
                                  )SS.  
CITY OF ST. LOUIS     )

AFFIDAVIT

Keyren H. Cotter, being duly sworn, deposes and says the following:

1. Fracture Proof Design Corporation ("FPDC") is a duly organized and existing corporation under the laws of the State of Delaware and is authorized to do business in the State of Missouri.

2. He is the president of FPDC, and he has executed this Application for withholding from public disclosure and this affidavit with the approval and authority of FPDC.

3. A certain report entitled "Tearing Instability Analysis of the Reactor Coolant System, Indian Point 3 Nuclear Power Plant" submitted, together with this affidavit and application for withholding the report from public disclosure, is the sole and exclusive property of FPDC.

4. The methodology used to perform the analysis in the subject report was developed solely at the expense of FPDC.

5. The methods of analysis used are proprietary to FPDC and have not been disclosed to the public or to the Power Authority of the State of New York (PASNY) or otherwise.

6. The development of methods of analysis involving the techniques used in this report are not published elsewhere in the literature.

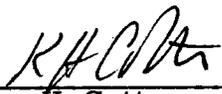
7. Any person who has access to this information, including employees of FPDC, have signed agreements of non-disclosure and confidential treatment of said proprietary information.

8. FPDC is presently in a very strong competitive position because of its exclusive knowledge of these methods of analysis and disclosure of information in the subject report would irreparably damage the competitive position of FPDC.

9. PASNY has not paid fees equivalent to the cost of development of the technology used in preparation of the subject report. The total fees received for the analysis represent less than ten percent of the value, to FPDC, of the methodology.

10. The only copies of the report which have been given to PASNY have been those from which proprietary information has been deleted.

Affiant further states that the foregoing statements are true and accurate to the best of his knowledge and belief, and he hereby acknowledges that he has executed this affidavit as his own free act and deed.

  
\_\_\_\_\_  
Keyren H. Cotter

Subscribed and sworn to before me this 23rd day of June, 1981.

  
\_\_\_\_\_  
Notary Public

  
My Commission Expires: \_\_\_\_\_  
BETTIE HARRIS  
NOTARY PUBLIC, STATE OF MISSOURI  
MY COMMISSION EXPIRES 8/17/84  
ST. LOUIS COUNTY

DOCKET NO. 50-286

DATE: 6-26-81

NOTE TO NRC AND/OR LOCAL PUBLIC DOCUMENT ROOMS

The following item submitted with letter dated 6-10-81  
from Fracture Proof Design Corp. is being withheld from public disclosure  
in accordance with Section 2.790.

PROPRIETARY INFORMATION

RPT - "Tearing Stability Analysis of  
Reactor Coolant System"

Don Landon

016

Distribution Services Branch

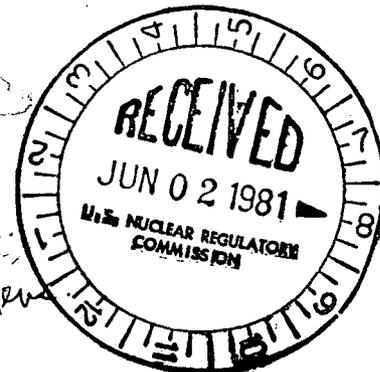
DISTRIBUTION w/out encl.  
Docket w/encl.  
NRC PDR JHeltemes, AEOD  
L PDR Gray File-4

MAY 21 1981

Docket No. 50-286

Mr. George T. Berry, President  
and Chief Operating Officer  
Power Authority of the State of New York  
10 Columbus Circle  
New York, New York 10019

TERA  
NSIC  
ORB#1 Rdg  
DEisenhut  
CParrish  
LOlshan  
OELD  
IE-3 w/encl.  
ACRS-10 w/encl.



SUBJECT: ENVIRONMENTAL QUALIFICATION OF SAFETY-RELATED ELECTRICAL EQUIPMENT

RE: Indian Point, Unit No. 3, License No. DPR-64

Reference (a) - Order for Modification of License Concerning the Environmental Qualification of Safety-Related Electrical Equipment dated October 24, 1980

*566 RATS*

Dear Mr. Berry:

This letter transmits the Safety Evaluation for the Environmental Qualification of Safety-Related Electrical Equipment at your facility. This evaluation was based on your submittals dated April 28, 1980, July 30, 1980, August 11, 1980 and October 31, 1980. Our letter of February 11, 1981, which forwarded our preliminary results, indicated that an item-by-item re-evaluation would be required at a later date. This safety evaluation identifies the specific information required by the staff and the actions, on your part, necessary to comply with Reference (a). We request that you provide the information identified in sections 3 and 4 of this Safety Evaluation to us within 90 days.

This Safety Evaluation addresses only the safety-related electrical equipment exposed to a harsh environment resulting from an accident (i.e., the IEB 79-01B review). Reference (a) requires that all safety-related electrical equipment be qualified by June 30, 1982. The NRC review effort for the equipment in mild environments will be addressed by separate correspondence.

Your response may present alternatives to the staff positions in the evaluation. The staff will consider alternative approaches if these methods are within the DOR Guidelines or NUREG-0588, as appropriate. For example, an acceptable alternative to the NRC staff's temperature criterion used for the service conditions (i.e. Section 3.3) must base that service condition on the FSAR analysis or other NRC approved analysis, provided that the specific analysis, together with reference to the previous NRC acceptance of that analysis, accompanies the 90 day response. In addition, some of the information in the Safety Evaluation may require clarification. Contact your project manager for assistance in these matters.

ENCLOSURE CONTAINS PROPRIETARY INFORMATION

OFFICE	.....	.....	.....	.....	.....	.....
SURNAME	.....	.....	.....	.....	.....	.....
DATE	.....	.....	.....	.....	.....	.....

It remains your responsibility to assure that the qualification deadline is met for all safety-related electrical equipment. The staff's review of your response to this letter should not delay any action which is required in order to meet the deadline.

Sincerely,

Original signed by:  
S. A. Varga

Steven A. Varga, Chief  
Operating Reactors Branch #1  
Division of Licensing

Enclosures:

- 1. SER
- 2. TER

cc w/o encl:  
See next page

\*Previous concurrence see next page

OFFICE ▶	ORB#1:DL*	ORB#1:DL*	ORB#2:DL	ORB#1:DL*			
SURNAME ▶	CParrish	Dolan:ds	Williams	SVarga			
DATE ▶	5/18/81	5/18/81	5/18/81	5/18/81			