



ARKANSAS POWER & LIGHT COMPANY

POST OFFICE BOX 551 LITTLE ROCK, ARKANSAS 72203 (501) 371-4000

March 19, 1980

1-030-10

Director of Nuclear Reactor Regulation  
ATTN: Mr. Darrell G. Eisenhut, Acting Director  
Operating Reactors  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Subject: Arkansas Nuclear One - Unit 1  
Docket No. 50-313  
License No. DPR-51  
Westinghouse Low Pressure  
Turbine Rotor Information  
(File: 0285, 1510.1)

Gentlemen:

Your letter of February 25, 1980, requested information concerning our Low Pressure (LP) Turbine Rotors. Attached are our responses to the site specific questions. We were informed on March 18 by your Mr. Guy Vissing that an extention had been granted until March 24 for the generic questions. We will respond to those questions by the due date.

Much of the data presented in our responses is Westinghouse proprietary information. Westinghouse has, therefore, requested that the affected information be withheld from public disclosure. Attachment 1 is an Application for Withholding Proprietary Information From Public Disclosure from Westinghouse. Attachment 2 is an Affidavit which sets forth the basis for withholding the information.

Attachment 3 provides our response to the site specific questions. Appendix A contains the proprietary information while Appendix B is a copy of the same information minus that which is proprietary. Tables 2 and 3 also contain proprietary information and should be withheld from public disclosure.

We would like to emphasize that the cracks found in the LP-2 rotor at ANO-1 were not keyway cracks. There is no evidence that the cracks which were found increased the probability for incurring unacceptable damage from a turbine missile. Due to reliability concerns, the affected discs were, however, removed from the rotor.

Very truly yours,

*John M. Giff*  
D. C. Trimble  
Manager, Licensing

DCT:skm

Attachments

PA01  
PROPRIETARY  
FILES  
W/ROSS  
ENR BR  
EX (2)  
CHANGE: LE  
NEC PDRI AD  
LPOR 1 NO  
NSIC 1 NO

P

8008270 484

March 14, 1980

Darrell G. Eisenhut  
Division of Operating Reactors  
Office of Nuclear Reactor Regulation  
US Nuclear Regulatory Commission  
Washington DC 20555

APPLICATION FOR WITHHOLDING PROPRIETARY  
INFORMATION FROM PUBLIC DISCLOSURE

Subject: Arkansas Nuclear Unit #1 Docket #50-313  
Information in Response to NRC Request for Information of  
February 25, 1980, Relative to Low Pressure Turbine Disc  
Integrity.

Reference: Appendix A letter from D. Trimble to Eisenhut, dated 3/19/80

Dear Mr. Eisenhut:

This application for withholding is submitted by Westinghouse Electric Corporation ("Westinghouse") pursuant to the provisions of paragraph (b)(1) of Section 2.790 of the Commission's regulations. Withholding from public disclosure is requested with respect to the subject information which is further identified in the affidavit accompanying this application.

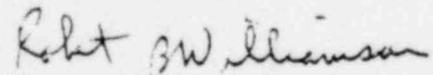
The undersigned has reviewed the information sought to be withheld and is authorized to apply for its withholding on behalf of Westinghouse, STG-TOD.

The affidavit accompanying this application 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 subject information which is proprietary to Westinghouse and which is further identified in the affidavit be withheld from public disclosure in accordance with 10CFR Section 2.790 of the Commission's regulations.

Correspondence with respect to this application for withholding or the accompanying affidavit should be addressed to the undersigned.

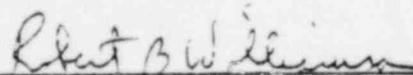
Very truly yours,

  
R. Williamson, Manager  
Customer Order Engineering  
Westinghouse Electric Corporation

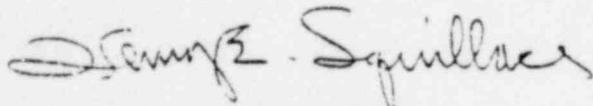
AFFIDAVIT

COMMONWEALTH OF PENNSYLVANIA  
COUNTY OF DELAWARE

Before me, the undersigned authority, personally appeared Robert Williamson, who, being by me duly sworn according to law, deposes and says that he is authorized to execute this Affidavit on behalf of Westinghouse Electric Corporation ("Westinghouse") and that the averments of fact set forth in this Affidavit are true and correct to the best of his knowledge, information, and belief:

  
\_\_\_\_\_  
Robert Williamson, Manager  
Customer Order Engineering

Sworn to and subscribed before me  
this 15th day of December 1980.



HENRY E. SQUILLACE  
Notary Public, Marple Twp., Delaware Co.  
My Commission Expires Oct. 18, 1980

- (1) I am Manager, Customer Order Engineering in the Steam Turbine Generator Technical Operations Division of Westinghouse Electric Corporation and as such, I have been specifically delegated the function of reviewing the proprietary information sought to be withheld from public disclosure in connection with nuclear power plant licensing, and am authorized to apply for its withholding on behalf of the Westinghouse Power Generation Divisions.
- (2) I am making this Affidavit in conformance with the provisions of 10 CFR Section 2.790 of the Commission's regulations and in conjunction with the Westinghouse application for withholding accompanying this Affidavit.
- (3) I have personal knowledge of the criteria and procedures utilized by Westinghouse Power Generation Divisions in designating information as a trade secret, privileged or as confidential commercial or financial information.
- (4) Pursuant to the provisions of paragraph (b)(4) of Section 2.790 of the Commission's regulations, the following is furnished for consideration by the Commission in determining whether the information sought to be withheld from public disclosure should be withheld.
  - (i) The information sought to be withheld from public disclosure is owned and has been held in confidence by Westinghouse.
  - (ii) The information is of a type customarily held in confidence by Westinghouse and not customarily disclosed to the public. Westinghouse has a rational basis for determining the types of information customarily held in confidence by it and, in that connection, utilizes a system to determine when and whether to hold certain types of information in confidence. The application of that system and the substance of that system constitutes Westinghouse policy and provides the rational basis required.

Under that system, information is held in confidence if it falls in one or more of several types, the release of which might result in the loss of an existing or potential competitive advantage, as follows:

- (a) The information reveals the distinguishing aspects of a process (or component, structure, tool, method, etc.) where prevention of its use by any of Westinghouse's competitors without license from Westinghouse constitutes a competitive economic advantage over other companies.
- (b) It consists of supporting data, including test data, relative to a process (or component, structure, tool, method, etc.), the application of which data secures a competitive economic advantage, e.g., by optimization or improved marketability.
- (c) Its use by a competitor would reduce his expenditure of resources or improve his competitive position in the design, manufacture, shipment, installation, assurance of quality, or licensing a similar product.
- (d) It reveals cost or price information, production capacities, budget levels, or commercial strategies of Westinghouse, its customers or suppliers.
- (e) It reveals aspects of past, present, or future Westinghouse or customer funded development plans and programs of potential commercial value to Westinghouse.
- (f) It contains patentable ideas, for which patent protection may be desirable.
- (g) It is not the property of Westinghouse, but must be treated as proprietary by Westinghouse according to agreements with the owner.

- (h) Public disclosure of this information would allow unfair and untruthful judgments on the performance and reliability of Westinghouse equipment components and improper comparison with similar components made by competitors.

There are sound policy reasons behind the Westinghouse system which include the following:

- (a) The use of such information by Westinghouse gives Westinghouse a competitive advantage over its competitors. It is, therefore, withheld from disclosure to protect the Westinghouse competitive position.
- (b) It is information which is marketable in many ways. The extent to which such information is available to competitors diminishes the Westinghouse ability to sell products and services involving the use of the information.
- (c) Use by our competitor would put Westinghouse at a competitive disadvantage by reducing his expenditure of resources at our expense.
- (d) Each component of proprietary information pertinent to a particular competitive advantage is potentially as valuable as the total competitive advantage. If competitors acquire components of proprietary information, any one component may be the key to the entire puzzle, thereby depriving Westinghouse of a competitive advantage.
- (e) Unrestricted disclosure would jeopardize the position of prominence of Westinghouse in the world market, and thereby give a market advantage to the competition in those countries.

- (f) The Westinghouse capacity to invest corporate assets in research and development depends upon the success in obtaining and maintaining a competitive advantage.
  
- (iii) The information is being transmitted to the Commission in confidence and, under the provisions of 10 CFR Section 2.790, it is to be received in confidence by the Commission.
  
- (iv) The information is not available in public sources to the best of our knowledge and belief.
  
- (v) The proprietary information sought to be withheld in this submittal is that which is appropriately marked in Appendix A to letter from D. Trimble to Eisenhut, dated March 19, 1980 concerning information in response to NRC request for information of February 25, 1980, relative to low pressure turbine disc integrity.

The information enables Westinghouse to:

- (a) Develop test inputs and procedures to satisfactorily verify the design of Westinghouse supplied equipment.
  
- (b) Assist its customers to obtain licenses.

Further, the information has substantial commercial value as follows.

- (a) Westinghouse can sell the use of this information to customers.
  
- (b) Westinghouse uses the information to verify the design of equipment which is sold to customers.

(c) Westinghouse can sell services based upon the experience gained and the test equipment and methods developed.

Public disclosure of this information is likely to cause substantial harm to the competitive position of Westinghouse because it would enhance the ability of competitors to design, manufacture, verify, and sell electrical equipment for commercial turbine-generators without commensurate expenses. Also, public disclosure of the information would enable others having the same or similar equipment to use the information to meet NRC requirements for licensing documentation without purchasing the right to use the information.

The development of the equipment described in part by the information is the result of many years of development by Westinghouse and the expenditure of a considerable sum of money.

This could only be duplicated by a competitor if he were to invest similar sums of money and provided he had the appropriate talent available and could somehow obtain the requisite experience.

Further the deponent sayeth not.