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AMERICAN ELECTRIC POWER *Service Corporation*



2 Broadway, New York, N. Y. 10004
(212) 440-9000

September 15, 1980
OG-40

Mr. James R. Miller, Chief
Special Projects Branch
Division of Project Management
U.S. Nuclear Regulatory Commission
Phillips Building
7920 Norfolk Avenue
Bethesda, Maryland 20014

Dear Mr. Miller:

WCAP-9764 AND WCAP-9765

Enclosed are:

- 1) Forty (40) copies of WCAP-9764 (Proprietary)
- 2) Twenty (20) copies of WCAP-9765 (Non-Proprietary)

Both reports are entitled, "Documentation of the Westinghouse Core Uncovery Tests and the Small Break Evaluation Model Core Mixture Level Model."

Also enclosed are:

- 1) One (1) copy of Application for Withholding Proprietary Information from Public Disclosure, CAW-80-39 (Non-Proprietary).
- 2) One (1) copy of Affidavit, AW-77-18 (Non-Proprietary).

These reports are submitted in response to the request for information made in Section 4.2.1.8 of NUREG-0611 regarding the small break core mixture level model. Additionally, at a Westinghouse/Westinghouse Owners Group/NRC meeting in Bethesda on February 13, 1980 held to clarify the NUREG-0611 requirements, the NRC Staff reiterated their interest in obtaining additional information concerning the model as well as documentation of the Westinghouse core uncovery test program from which the drift velocity utilized in the WFLASH mixture level was derived. This topic was initially discussed in WCAP-9600, Section 2.10. However, the NRC Staff requested an expansion of that information, including the experimental data reports.

This submittal contains proprietary information. In conformance with the requirement of 10CFR 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 identifies the information sought to be withheld and sets forth the basis on which the information may be withheld from public disclosure by the Commission.

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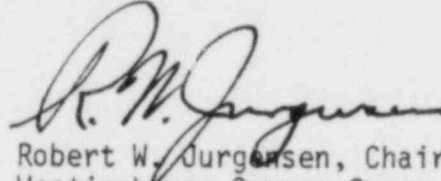
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We expect that the non-proprietary version of this report, WCAP-9765, will be placed in the Public Document Room and identified as a Westinghouse topical report.

Correspondence with respect to the Westinghouse affidavit or application for withholding should reference CAW-80-39 and be addressed to:

Mr. R. A. Wiesemann, Manager
Regulatory and Legislative Affairs
Westinghouse Electric Corporation
P. O. Box 355
Pittsburgh, Pennsylvania 15230

Very truly yours,



Robert W. Jurgensen, Chairman
Westinghouse Owners Group

/pab

Enclosures

cc: P. Norian (NRC)
B. Sheron (NRC)
D. Speiss (NRC)



Westinghouse
Electric Corporation

Water Reactor
Divisions

Nuclear Technology Division
Box 355
Pittsburgh Pennsylvania 15230

September 15, 1980
CAW-80-39

Mr. James R. Miller, Chief
Special Projects Branch
Division of Project Management
U. S. Nuclear Regulatory Commission
Phillips Building
7920 Norfolk Avenue
Bethesda, Maryland 20014

APPLICATION FOR WITHHOLDING PROPRIETARY
INFORMATION FROM PUBLIC DISCLOSURE

SUBJECT: WCAP-9764, "Documentation of the Westinghouse Core Uncovery Tests and the Small Break Evaluation Model Core Mixture Level Model"

REF: Letter (OG-40) from R. W. Jurgensen (Chairman Westinghouse Owners Group) to J. R. Miller (NRC), dated September 15, 1980

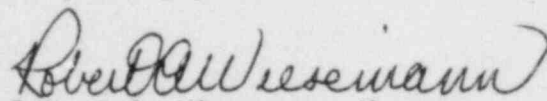
Dear Mr. Miller:

The proprietary material transmitted by the referenced letter supplements the proprietary material previously submitted concerning the Westinghouse small break ECCS models. Further, the affidavit submitted to justify the material previously submitted, AW-77-18, was approved by the Commission on October 28, 1977, and is equally applicable to this material.

Accordingly, withholding the subject information from public disclosure is requested in accordance with the previously submitted affidavit and application for withholding, AW-77-18, dated April 6, 1977, a copy of which is attached.

Correspondence with respect to this application for withholding or the accompanying affidavit should reference CAW-80-39, and should be addressed to the undersigned.

Very truly yours,


Robert A. Wiesemann, Manager
Regulatory & Legislative Affairs

WPC

cc: E. C. Shomaker, Esq.
Office of the Executive Legal Director, NRC

Westinghouse Electric Corporation

Power Systems

PWR Systems Division

Box 355
Pittsburgh Pennsylvania 15230

April 6, 1977

AW-77-18

Mr. John F. Stolz, Chief
Light Water Reactors Branch No. 1
Division of Project Management
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
7920 Norfolk Avenue
Bethesda, Maryland 20014

APPLICATION FOR WITHHOLDING PROPRIETARY
INFORMATION FROM PUBLIC DISCLOSURE

SUBJECT: Westinghouse WCAP-897C "Westinghouse Emergency Core Cooling System Small Break October 1975 Model"

REF.: Westinghouse Letter No. NS-CE-1403, Eicheltinger to Stello, dated April 6, 1977

Dear Mr. Stolz:

This application for withholding is submitted by Westinghouse Electric Corporation pursuant to the provisions of paragraph (b)(1) of 10 CFR Section 2.790 of the Commission's regulations and is accompanied by a proprietary and a non-proprietary affidavit.

The proprietary 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. Because this affidavit contains Westinghouse proprietary information, it is being submitted in confidence and is marked Westinghouse Proprietary Class 2. Accordingly, pursuant to the provisions of Section 2.790(b)(1)(ii), we request that the proprietary affidavit be withheld from public disclosure.

The undersigned has reviewed the information sought to be withheld and is authorized to apply for its withholding on behalf of Westinghouse, WRD, notification of which was sent to the Secretary of the Commission on April 19, 1976.

Mr. John F. Stolz

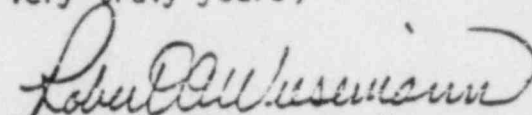
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April 6, 1977
AW-77-18

It is requested, therefore, that the Westinghouse proprietary information being transmitted by our letter (referenced above) be withheld from public disclosure in accordance with the provisions of 10 CFR Section 2.790 of the Commission's regulations.

Correspondence with respect to the proprietary aspects of this application for withholding or the accompanying affidavits should reference AW-77-18 and should be addressed to the undersigned.

Very truly yours,


Robert A. Wiesemann, Manager
Licensing Programs

/smh

cc: J. A. Cooke, Esq.
Office of the Executive Legal Director, NRC

AFFIDAVIT

COMMONWEALTH OF PENNSYLVANIA:

SS

COUNTY OF ALLEGHENY:

Before me, the undersigned authority, personally appeared Robert A. Wiesemann, 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 A. Wiesemann

Robert A. Wiesemann, Manager
Licensing Programs

Sworn to and subscribed
before me this 20 day
of April 1977.

Richard C. Hance
Notary Public

- (1) I am Manager, Licensing Programs, in the Pressurized Water Reactor Systems 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 or rule-making proceedings, and am authorized to apply for its withholding on behalf of the Westinghouse Water Reactor 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 Nuclear Energy Systems 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.

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 attached to Westinghouse Letter Number NS-CE-1403, Eichelinger to Stolz, dated April 6, 1977. The letter and attachment are being submitted in support of the Westinghouse emergency core cooling system evaluation model.

Public disclosure of the information sought to be withheld is likely to cause substantial harm to the competitive position of Westinghouse, taking into account the value of the information to Westinghouse, the amount of effort and money expended by Westinghouse in developing the information, and considering the ways in which the information could be acquired or duplicated by others.

Further the deponent sayeth not.