



October 16, 1996
NFBWR-96-084

CENPD-284-P-A
TAC No. M88025

RPA 89-112-P-A
TAC No. M75965

RPA 89-053-P-A
TAC No. M75966

Document Control Desk
U. S. Nuclear Regulatory Commission
Washington, DC 20555-0001

ATTN: Chief, Planning
Program and Management Support Branch

**Subject: Transmittal of Approved Licensing Topical Reports:
CF 89-284-P-A, CENPD-284-NP-A, RPA 89-112-P-A,
RPA 89-112-NP-A, RPA 89-053-P-A, and RPA 89-053-NP-A**

Dear Sir:

Please find as Enclosure I:

- 1) Twenty three (23) copies of the proprietary Licensing Topical Report: "Control Rod Drop Accident Analysis Methodology for Boiling Water Reactors: Summary and Qualification," CENPD-284-P-A, (RPA-89-112-P-A), (RPA-89-053-P-A), July 1996.
- 2) Twelve (12) copies of the non-proprietary Licensing Topical Report: "Control Rod Drop Accident Analysis Methodology for Boiling Water Reactors: Summary and Qualification," CENPD-284-NP-A, (RPA-89-112-NP-A), (RPA-89-053-NP-A), July 1996.

The contents of the topical reports have been previously submitted by References 1 and 2 and have been reviewed and approved by the NRC staff by Reference 3. The enclosed reports are approved versions.

Some material in CENPD-284-P-A contains Combustion Engineering, Inc. Proprietary Information consisting of trade secrets, commercial, or financial information which we consider privileged or confidential

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TOPREP



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RD-8-2 ABB/CE
ABB CENO Fuel Operations

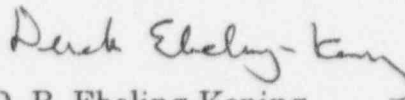
Two Rids 1007, 1/23 Prop
1008, 1/12 Dan Prop

pursuant to 10 CFR 2.790(4). In conformance with the requirements of 10 CFR Section 2.790, as amended, of the Commission's regulations, we are submitting as Enclosure II an Affidavit supporting this request for withholding Proprietary Information. The affidavit sets forth the basis on which the information may be withheld from public disclosure by the commission.

This material is for your internal use only and may be used only for the purpose for which it is submitted. It should not be otherwise used, disclosed, duplicated, or disseminated, in whole or in part, to any person or organization outside the Office of Nuclear Reactor Regulation without the prior written approval of Combustion Engineering, Inc. Correspondence with respect to the Application for Withholding, should reference this letter and be addressed to:

D. B. Ebeling-Koning
 Manager, BWR Fuel Operations
 ABB Combustion Engineering
 2000 Day Hill Road
 Windsor, CT 06095.

Very truly yours,



D. B. Ebeling-Koning
 Manager, BWR Fuel Operations

- References:
1. Letter D. B. Ebeling-Koning (ABB) to R. C. Jones (NRC), "Transmittal for NRC Staff review of CENPD-284-P, 'Control Rod Drop Accident Analysis Methodology for Boiling Water Reactors: Summary and Qualification,'" ATOF-93-105, October 1, 1993.
 2. Letter N. O. Jonsson (ABB) to R. C. Jones (NRC), "Submittal of Topical Reports Describing ABB Atom's Methods for Analyzing Control Rod Drop Accidents in Boiling Water Reactors," ABB-90-015, January 31, 1990.
 3. Letter R. C. Jones (NRC) to D. Ebeling-Koning (ABB), "Acceptance for Referencing of Topical Reports; 'CENPD-284-P, Control Rod Drop Accident Analysis Methodology for Boiling Water Reactors: Summary and Qualification,

(TAC No. M88025);' 'RPA-89-112, ABB Atom Control Rod Drop Accident Analysis Methodology for Boiling Water Reactors: The RAMONA-3B Computer Code, (TAC No. M75965);' and 'RPA-89-053, ABB Atom High Worth Control Rods for US BWRs: Rod Drop Accident Analysis, (TAC No. M75966),'" April 12, 1996.

Enclosure I: 23 proprietary reports (copy numbers 0001-0023)
12 non-proprietary reports
Enclosure II: Affidavit

AFFIDAVIT PURSUANT

TO 10 CFR 2.790

Combustion Engineering, Inc.)
State of Connecticut)
County of Hartford) SS.: Windsor

I, D. B. Ebeling-Koning, depose and say that I am the Manager, BWR Fuel Operations of Combustion Engineering, Inc., duly authorized to make this affidavit, and have reviewed or caused to have reviewed the information which is identified as proprietary and referenced in the paragraph immediately below. I am submitting this affidavit in conformance with the provisions of 10 CFR 2.790 of the Commission's regulations for withholding this information.

The information for which proprietary treatment is sought is contained in the following document:

"Control Rod Drop Accident Analysis Methodology for Boiling Water Reactors: Summary and Qualification," CENPD-284-P-A, (RPA-89-112-P-A), (RPA-89-053-P-A), July 1996.

This document has been appropriately designated as proprietary.

I have personal knowledge of the criteria and procedures utilized by Combustion Engineering in designating information as a trade secret, privileged or as confidential commercial or financial information.

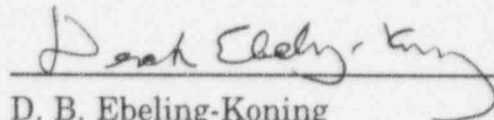
Pursuant to the provisions of paragraph (b) (4) of Section 2.790 of the Commission's regulations, the following is furnished for consideration by the Commission in determining whether the information sought to be withheld from public disclosure, included in the above referenced document, should be withheld.

1. The information sought to be withheld from public disclosure, is owned and has been held in confidence by Combustion Engineering. It consists of analytical calculations defining the analysis methodology.
2. The information consists of test data or other similar data concerning a process, method or component, the application of which results in substantial competitive advantage to Combustion Engineering.
3. The information is of a type customarily held in confidence by Combustion Engineering and not customarily disclosed to the public. Combustion Engineering 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 details of the aforementioned system were provided to the Nuclear Regulatory Commission via letter DP-537 from F. M. Stern to Frank Schroeder dated December 2, 1974. This system was applied in determining that the subject document herein is proprietary.
4. The information is being transmitted to the Commission in confidence under the provisions of 10 CFR 2.790 with the understanding that it is to be received in confidence by the Commission.
5. The information, to the best of my knowledge and belief, is not available in public sources, and any disclosure to third parties has been made pursuant to regulatory provisions or proprietary agreements which provide for maintenance of the information in confidence.
6. Public disclosure of the information is likely to cause substantial harm to the competitive position of Combustion Engineering because:
 - a. A similar product is manufactured and sold by major light water reactor competitors of Combustion Engineering.

- b. Development of this information by Combustion Engineering required thousands of dollars and thousands of manhours of effort. A competitor would have to undergo similar expense in generating equivalent information.
- c. In order to acquire such information, a competitor would also require considerable time and inconvenience to develop the analysis methodology.
- d. The information consists of analytical calculations defining the analysis methodology, the application of which provides a competitive economic advantage. The availability of such information to competitors would enable them to modify their product to better compete with Combustion Engineering, take marketing or other actions to improve their product's position or impair the position of Combustion Engineering's product, and avoid developing similar data and analyses in support of their processes, methods or apparatus.
- e. In pricing Combustion Engineering, Inc.'s products and services, significant research, development, engineering, analytical, manufacturing, licensing, quality assurance and other costs and expenses must be included. The ability of Combustion Engineering's competitors to utilize such information without similar expenditure of resources may enable them to sell at prices reflecting significantly lower costs.

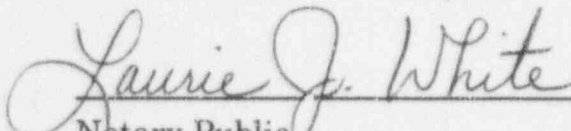
- f. Use of the information by competitors in the international marketplace would increase their ability to market nuclear steam supply systems by reducing the costs associated with their technology development. In addition, disclosure would have an adverse economic impact on Combustion Engineering, Inc.'s potential for obtaining or maintaining foreign licensees.

Further the deponent sayeth not.



D. B. Ebeling-Koning
Manager, BWR Fuel Operations
ABB CENO

Sworn to before me
this 30th day of Sept., 1996



Notary Public

My commission expires: 8/31/99