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 FACIL: 50-389 St. Lucie Plant, Unit 2, Florida Power & Light Co. 05000389
 AUTH: NAME: AUTH: AFFILIATION:
 UHRIG, R. E. Florida Power & Light Co.:
 RECI: NAME: RECI: AFFILIATION:
 EISENHUT, D. G. Division of Licensing

SUBJECT: Forwards CEN-169(L)-P, "Test Rept on Fluid Mixing in Scaled
 Reactor Vessel Flow Model." Rept withheld (ref 10CFR2.790).
 Affidavit encl. *NE subject files*

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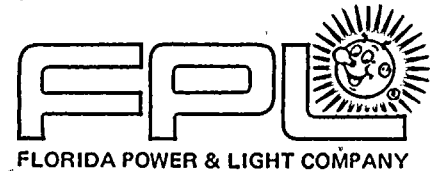
NOTES: *NON PROP C/S* *Add: Reactor Systems DR (Jack Gutman) #22*
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November 18, 1981
L-81-486

WITHHOLD ENCLOSURES FROM PUBLIC DISCLOSURES

Office of Nuclear Reactor Regulation
Attention: Mr. Darrell G. Eisenhut, Director
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Eisenhut:

Re: St. Lucie Unit 2
Docket No. 50-389
Proprietary Data Supporting C-E's CESEC-III
Computer Code



In a response to question 440.80 (k), Reactor Systems Branch request for additional information dated June 24, 1981, included in Amendment 6 to the St. Lucie Unit 2 Final Safety Analysis Report, Florida Power & Light Company referred to proprietary data on flow mixing in a reactor vessel. The proprietary data are included in the enclosed report CEN-169 (L)-P, "Test Report on Fluid Mixing in a Scaled Reactor Vessel Flow Model", Combustion Engineering, Inc, July 1981 (copies 0001-0003). Three (3) non-proprietary copies are also enclosed. This report should be supplied to Mr. J. Gutman.

Pursuant to 10 CFR Part 2.790, the NRC is requested to withhold this information from public disclosure. An affidavit supporting that request is attached.

If you should have any questions concerning the proprietary nature of the material submitted, please address these questions directly to:

Mr. A.E. Scherer
Director of Licensing (9438-1922)
Combustion Engineering
1000 Prospect Hill Road
Windsor, CT 06095

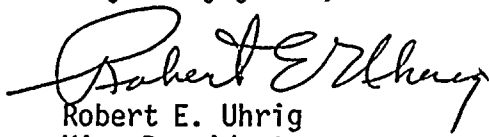
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Add: Reactor Systems Br (Jack Gutman)*

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Darrell G. Eisenhut
Page 2

We request that you provide FPL a copy of any questions addressed to Combustion Engineering.

Very truly yours,

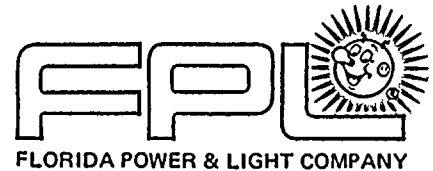


Robert E. Uhrig
Vice President
Advanced Systems and Technology

Enclosures

REU/TCG/mm

cc: Harold F. Reis, Esquire (w/o enclosures)
J.P. O'Reilly, Director, Region II (w/o enclosures)



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Add: Reactor Systems Br (Jack Gutman)*

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Darrell G. Eisenhut
Page 2

We request that you provide FPL a copy of any questions addressed to Combustion Engineering.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Robert E. Uhrig".

Robert E. Uhrig
Vice President
Advanced Systems and Technology

Enclosures

REU/TCG/mm

cc: Harold F. Reis, Esquire (w/o enclosures)
J.P. O'Reilly, Director, Region II (w/o enclosures)

AFFIDAVIT PURSUANT

TO 10 CFR 2.790

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

I, A. E. Scherer depose and say that I am the Director, Nuclear Licensing 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 and in conjunction with the application of Florida Power and Light Company, for withholding this information.

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

CEN-169(L) - P, Test Report on Fluid Mixing in a Scaled Reactor Vessel Flow Model, July 1981.

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 are the data on flow mixing between (1) the reactor vessel inlet and the fuel assembly inlets and (2) the fuel assembly outlet and reactor vessel outlet, which is owned and has been held in confidence by Combustion Engineering.

2. The information consists of test data or other similar data concerning a process, method or component, the application of which results in a 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 documents herein are 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 pressurized water reactors competitors of Combustion Engineering.

b. Development of this information by C-E required hundreds of manhours and hundreds of thousands of dollars. To the best of my knowledge and belief 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 related to the development of experimental data on flow mixing within a reactor vessel.

d. The information required significant effort and expense to obtain the licensing approvals necessary for application of the information. Avoidance of this expense would decrease a competitor's cost in applying the information and marketing the product to which the information is applicable.

e. The information consists of flow mixing fractions between (1) the reactor vessel inlet and fuel assembly inlets and (2) fuel assembly outlets and reactor vessel outlet, 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.

f. In pricing Combustion Engineering'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.

g. 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's potential for obtaining or maintaining foreign licensees.

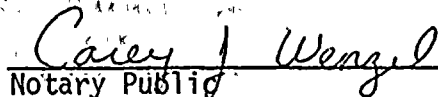
Further the deponent sayeth not.



A. E. Scherer
Director
Nuclear Licensing

Sworn to before me

this 5th day of November, 1981


Notary Public

CARRY J. WENZEL, NOTARY PUBLIC
State of Connecticut No. 59962
Commission Expires March 31, 1985

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