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proprietary

SUBJECT: Forwards proprietary Rev 1 to EMF-1C-257, "Susquehanna Unit 2 Reload SQB-8," EMF-94-057(P), "Evaluation of Pressure Drop & Critical Power Data for ATRIUM 10" & EMF-95-066(P), "Thermal-Hydraulic..." Repts withheld,per 10CFR2.790(b).

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SIEMENS

January 31, 1997
CMP:97:014

Document Control Desk
ATTN: Chief, Planning, Program and Management Support Branch
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

ATRIUM™-10* Mechanical Design Report (EMF-95-52(P))

The enclosures to this letter include additional information to the referenced report previously provided by SPC to the NRC as requested by Larry Phillips. Mr. Phillips wanted this information to support the upcoming NRC inspection. Also, enclosed is the report **Evaluation of Pressure Drop and Critical Power Data for ATRIUM-10**, EMF-94-057(P), which Mr. Chet Lehmann of PP&L asked to be forwarded to the NRC. Please note that the treatment of the data described in the report has undergone revisions and is not necessarily identical to current treatment of the data.

In addition to the aforementioned report, the enclosures are:

- **Index of Design Calculations** - Susquehanna Unit 2 Reload SQB-8, EMF-IC-257, Rev. 1
- **Table 1 Design Evaluation Results for ATRIUM-10 Fuel Assembly**
- **Table 2 Design Evaluations for Susquehanna Unit 2, Reload SQB-8, ATRIUM-10 Fuel Assembly**
- **Table 3 Applicability of SPC Criteria and Methods to the ATRIUM-10 Fuel Design**
- **Thermal-Hydraulic Characteristics of the ATRIUM-10 Fuel Design for Susquehanna,** EMF-95-066(P)

Some of the information contained in the enclosures to this letter is considered to be proprietary to Siemens Power Corporation. As required by 10 CFR 2.1790(b), an affidavit is attached to support the withholding of this information from public disclosure.

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If you have any questions, please call me at (509) 375-8004.

Very truly yours,

D Hill for

Chris M. Powers
Director, Quality

/smg

Enclosures

cc: E. D. Kendrick (USNRC)
S. M. Matthews (USNRC)
L. E. Phillips (USNRC)
E. Y. Wang (USNRC)
S. L. Wu (USNRC)

AFFIDAVIT

STATE OF WASHINGTON)
) ss.
COUNTY OF BENTON)

I, R. A. Copeland, being duly sworn, hereby say and depose:

1. I am a member of the Product Licensing group for Siemens Power Corporation ("SPC"), and as such I am authorized to execute this Affidavit.

2. I am familiar with SPC's detailed document control system and policies which govern the protection and control of information.

3. I am familiar with the information transmitted by the letter CMP:97:014 from C. M. Powers to the NRC Document Control Desk dated January 31, 1997 with the subject "**ATRIUM™-10 Mechanical Design Report (EMF-95-52(P))**" (Document). Information contained in this Document has been classified by SPC as proprietary in accordance with the control system and policies established by SPC for the control and protection of information.

4. The Document contains information of a proprietary and confidential nature and is of the type customarily held in confidence by SPC and not made available to the public. Based on my experience, I am aware that other companies regard information of the kind contained in the Document as proprietary and confidential.

5. The Document has been made available to the U.S. Nuclear Regulatory Commission in confidence, with the request that the information contained in the Document will not be disclosed or divulged.

6. The Document contains information which is vital to a competitive advantage of SPC and would be helpful to competitors of SPC when competing with SPC.

7. The information contained in the Document is considered to be proprietary by SPC because it reveals certain distinguishing aspects of SPC licensing methodology which secure competitive advantage to SPC for fuel design optimization and marketability, and includes information utilized by SPC in its business which affords SPC an opportunity to obtain a competitive advantage over its competitors who do not or may not know or use the information contained in the Document.

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12. Information in this Document provides insight into SPC licensing methodology developed by SPC. SPC has invested significant resources in developing the methodology as well as the strategy for this application. Assuming a competitor had available the same background data and incentives as SPC, the competitor might, at a

minimum, develop the information for the same expenditure of manpower and money as SPC.

THAT the statements made hereinabove are, to the best of my knowledge, information, and belief, truthful and complete.

FURTHER AFFIANT SAYETH NOT.

SUBSCRIBED before me this 31st day of January, 1997.

Sue M. Galpin
NOTARY PUBLIC, STATE OF WASHINGTON
MY COMMISSION EXPIRES: 02/27/00

SUE M. GALPIN
COMMISSION EXPIRES
NOTARY
PUBLIC
FEB. 27, 2000
STATE OF WASHINGTON

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