

SIEMENS

January 21, 1997
HDC:97:008

Document Control Desk
U.S. Nuclear Regulatory Commission
ATTN: Chief, Planning, Program and Management Support Branch
Washington, D.C. 20555-0001

Notification of Supplemental BWR Reflood Requirement

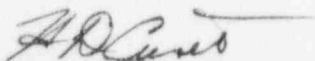
Ref.: 1. Meeting on January 9, 1997 with the NRC at One White Flint in Rockville, MD.

The reference meeting was held for Siemens Power Corporation (SPC) to present information to the NRC regarding two issues. One issue was the development of modified additive constants used in SPC's ANFB CHF correlation to analyze the ATRIUM™-10 fuel design which includes part length rods. The other issue was the requirement to use a conservative, absolute liquid flow reflood rate to supplement the current FLEX relative entrainment reflood criteria. The ANFB CHF correlation issue was left open pending SPC providing the NRC with more information regarding the establishment of the new additives constants and the review of the ATRIUM™-10 design during an NRC inspection scheduled for February 1997.

The current and prior requirements to use the supplemental absolute liquid flow reflood rates of 0.0181 lb/sec-in² (approximately 0.12 kg/sec) and 0.0607 lb/sec-in² (approximately 0.4 kg/sec), respectively, in the FLEX calculations were acknowledged to be technically acceptable to Messrs. Tony Ulses and Larry Phillips during conversations on January 10, 1997. Mr. Phillips suggested that this letter be prepared to document the reference meeting and the acceptance of the requirement to use a supplemental absolute liquid reflood rate. Documentation supporting these FLEX reflood criteria and the change in peak cladding temperatures presented in ANF-91-048(P)(A) and ANF-91-048(P), Supplement 1 due to the use of the current supplemental criterion were provided at the reference meeting. A copy of that documentation and of the affidavit provided at the meeting to support the withholding of this information from public disclosure are enclosed.

If you have any questions or if I can be of further assistance, please call me at (509) 375-8563.

Very truly yours,



H. Donald Curet, Manager
Product Licensing

Enclosures 9701290130 970121
PDR TOPRP EMVEXXN
C PDR

cc: Mr. T. E. Collins (USNRC)
Mr. L. E. Phillips (USNRC)
Mr. E. Y. Wang (USNRC)

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change distribution: NRC PDR

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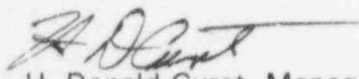
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cc: Mr. T. E. Collins (USNRC)
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AFFIDAVIT

STATE OF WASHINGTON)
) ss.
COUNTY OF BENTON)

I, H. D. Curet being duly sworn, hereby say and depose:

1. I am Manager, Product Licensing, 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 presented to the NRC at the meeting held in Rockville, MD held on January 9, 1997. The meeting included discussions regarding the ANFB correlation and BWR reflood criterion. Copies of overhead slides presented during the meeting were provided to the NRC as documentation (Document) of the information provided at the meeting. 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.

8. The disclosure of the proprietary information contained in the Document to a competitor would permit the competitor to reduce its expenditure of money and manpower and to improve its competitive position by giving it valuable insights into SPC licensing methodology and would result in substantial harm to the competitive position of SPC.

9. The Document contains proprietary information which is held in confidence by SPC and is not available in public sources.

10. In accordance with SPC's policies governing the protection and control of information, proprietary information contained in the Document has been made available, on a limited basis, to others outside SPC only as required and under suitable agreement providing for nondisclosure and limited use of the information.

11. SPC policy requires that proprietary information be kept in a secured file or area and distributed on a need-to-know basis.

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.

John C. ...

SUBSCRIBED before me this 7th
day of January, 1997.

Sue M. Galpin

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

