

Maine Yankee

RELIABLE ELECTRICITY SINCE 1972

329 BATH ROAD • BRUNSWICK, MAINE 04011 • (207) 798-4100

June 17, 1997

MN-97-70

JRH-97-149

UNITED STATES NUCLEAR REGULATORY COMMISSION

Attention: Document Control Desk

Washington, DC 20555

- References:
- (a) License No. DPR-36 (Docket No. 50-309)
 - (b) Letter, CD Frizzle (Maine Yankee) to WT Russell (USNRC), "Submittal of Maine Yankee SBLOCA Licensing Analysis in Compliance with 10 CFR 50.46 and in Satisfaction of TMI Action Items II.K.3.30, II.K.3.31, and II.K.3.5", MN-96-056, April 25, 1996.
 - (c) Letter, USNRC to Maine Yankee, "Request for Additional Information - ANF RELAP SBLOCA Analysis", June 25, 1996.
 - (d) Telephone conversation between USNRC, Maine Yankee, and Yankee Atomic, November 22, 1996.
 - (e) Letter, JR Hebert (Maine Yankee) to USNRC, "Maine Yankee SBLOCA Analysis: Response to USNRC Request for Additional Information and Request for Supplemental Information", MN-97-19, March 10, 1997.

Subject: Supplemental Information on the FROSSTEY-2 Code Uncertainty

Gentlemen:

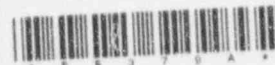
In April, 1996, Maine Yankee submitted a Small Break Loss Of Coolant Accident (SBLOCA) analysis as a replacement to the existing SBLOCA licensing analysis, Reference (b). Within that submittal, we included a description of the FROSSTEY-2 code and its usage as relevant to the proposed SBLOCA transient analysis. Subsequent USNRC questions, References (c) and (d), and Maine Yankee responses, Reference (e), address more detailed issues relevant to FROSSTEY-2.

A follow up telephone conversation between the USNRC, Maine Yankee, Yankee Atomic, and the USNRC consultant (Pacific Northwest Laboratories) was held on May 13, 1997 to discuss additional questions relating to the FROSSTEY-2 code uncertainties. At that time, Maine Yankee agreed that the response to those questions would be documented.

The attached response provides that documentation. This response is considered proprietary to the Maine Yankee vendor performing the work. Therefore, contained as Attachment 1 to this

NRC32

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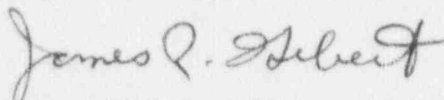


Maine Yankee

MN-97-70

letter is an affidavit executed by the Yankee Atomic Electric Company in support of withholding this information from public disclosure. Attachment 2 documents the answers provided to the USNRC verbally on May 13, 1997.

Very truly yours,



James R. Hebert, Manager
Regulatory Affairs

c: Mr. H. J. Miller
Mr. J. T. Yerokun
Mr. D. H. Dorman
Dr. C. Beyer (PNL)

c: w/o attachments
Mr. U. Vanags
Mr. P. J. Dostie

ATTACHMENT 1

**YANKEE ATOMIC ELECTRIC COMPANY
PROPRIETARY AFFIDAVIT**

AFFIDAVIT PURSUANT

TO 10CFR2.790

Yankee Atomic Electric Company)
Nuclear Services Division)
Commonwealth of Massachusetts)
Worcester County) SS:

I, S. P. Schultz, depose and say that I am the Vice President of Yankee Atomic Electric Company, duly authorized to make this affidavit, and have reviewed or caused to have reviewed the information which is identified as proprietary. I am submitting this affidavit in accordance with the provisions of 10CFR2.790 of the Commission's regulations for withholding this information.

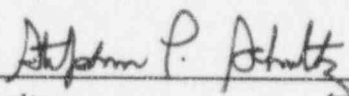
The information for which proprietary treatment is sought is the response contained in the proprietary enclosure to Maine Yankee letter MN 97-70, Maine Yankee Atomic Power Company to U. S. Nuclear Regulatory Commission.

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 referenced document, should be withheld.

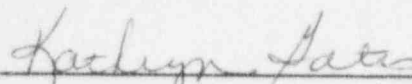
1. The material contained in this transmittal was obtained at considerable expense to Yankee Atomic Electric Company and Maine Yankee Atomic Power Company and the release of which would seriously affect our competitive position.
2. The material contained in this transmittal is of the type customarily held in confidence and not customarily disclosed to the public.
3. This information is being transmitted to the Commission in confidence under the provisions of 10CFR2.790 with the understanding that it is to be received in confidence by the Commission.
4. This information is for Commission internal use only and should not be released to persons or organizations outside the Directorate of Regulation and the ACRS without prior approval of Yankee Atomic Electric Company. Should it become necessary to release this information to such persons as part of the review procedure, please contact Yankee Atomic Electric Company.

Further deponent sayeth not.

Sworn to before me this
23th day of May, 1997



S. P. Schultz
Vice President



Notary Public
My Commission Expires: 1/1/04

ATTACHMENT 2

**RESPONSE TO USNRC QUESTIONS
ON FROSSTEY-2 UNCERTAINTIES**

(PROPRIETARY)