

Docket No. 50-309

JUN 4 1984

*Docket File*

*DCS MS-016*

LICENSEE: Maine Yankee Atomic Power Company

FACILITY: Maine Yankee Atomic Power Station

SUBJECT: SUMMARY OF MEETING WITH MAINE YANKEE ATOMIC POWER COMPANY  
ON SEISMIC DESIGN REVIEW (APRIL 24, 1984)

The purpose of this meeting was for Maine Yankee Atomic Power Company (MYAPCo) to provide an update to the staff on the work done over the last year (since May 1983) on this project. The meeting was also to provide an opportunity for MYAPCo and the staff to discuss this material in depth and for the staff to provide comments.

Attendees at this meeting are listed in Attachment 1.

In introductory remarks, the staff posed several questions.

1. What did MYAPCo intend to do in regard to its 1982 commitments to do an "Appendix A" analysis and upgrade ground monitoring capability?
2. Could MYAPCo provide more details on the nature of the "Robinhood" fault?
3. Was there a basis for selecting the Cape Elizabeth fault as a province boundary?
4. Could the 1979 earthquake occur on the Phippsburg Fault?
5. Provide a comparison of the seismicity of central New Brunswick, Canada and the Maine Yankee site area.
6. Could an improvement be made in the seismic monitoring capability of the Maine Yankee site?

In its prepared remarks, MYAPCo noted that it had carried out a number of studies over the past five years. These included:

- 1979 - Coastal Maine Study
- 1981 - Fault Study (Robinhood Fault)
- 1983 - Seismic Hazards Study and Studies of New Brunswick and New Hampshire Events
- 1983-84 - Revised Geology Study.

MYAPCo stated that they are a pre-Appendix A plant and that they believed the probabilistic uniform hazards studies they had conducted at least met the intent of Appendix A in that different expert opinions were used. With respect to the Maine Yankee Seismic Hazards Analysis they noted that their final results combined historic and zonation results.

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P PDR

The staff pointed out certain areas of potential inconsistencies in the draft geology study results. These included:

- Differences with results submitted concerning the Millstone site (on the Millstone docket).
- Differences between the uniform hazards studies and the draft geological studies.

MYAPCo indicated that they would resolve these inconsistencies and provide additional information as appropriate.

The staff presented results of the draft seismic hazards studies performed under contract to the NRC by Lawrence Livermore National Laboratory (LLNL).

The staff noted that the most significant difference between the LLNL results and the MYAPCo results appeared to be related to the attenuation models. MYAPCo pointed out the Trifunac attenuation model as being the major difference. MYAPCo also pointed out differences with some of the activity rates.

Original signed by

Kenneth L. Heitner, Project Manager  
Operating Reactors Branch #3  
Division of Licensing

Attachment:  
As stated

cc w/attachment:  
See next page

ORB#3:DL  
PMK Feitzer  
6/1/84

ORB#3:DL <sup>RH</sup>  
KHeitner/pn  
6/1/84

<sup>Del</sup>  
ORB#3:DL  
JRM Miller  
6/4/84

MEETING SUMMARY DISTRIBUTION

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Docket File  
NRC PDR  
L PDR  
ORB#3 Rdg  
ORB#3 Summary File  
JRMiller  
PMKreutzer  
Project Manager  
OELD  
ELJordan  
JMTaylor  
ACRS-10  
NRC Participants



Maine Yankee Atomic Power Company

cc:

Charles E. Monty, President  
Maine Yankee Atomic Power Company  
Edison Drive  
Augusta, Maine 04336

Mr. Charles B. Brinkman  
Manager - Washington Nuclear Operations  
Combustion Engineering, Inc.  
7910 Woodmont Avenue  
Bethesda, Maryland 20014

John A. Ritsher, Esquire  
Ropes & Gray  
225 Franklin Street  
Boston, Massachusetts 02110

State Planning Officer  
Executive Department  
189 State Street  
Augusta, Maine 04330

Mr. E. C. Wood, Plant Manager  
Maine Yankee Atomic Power Company  
P. O. Box 3270  
Wiscasset, Maine 04578

Regional Administrator  
U.S. Nuclear Regulatory Commission  
Region I  
631 Park Avenue  
King of Prussia, Pennsylvania 19406

First Selectman of Wiscasset  
Municipal Building  
U.S. Route 1  
Wiscasset, Maine 04578

Mr. Cornelius F. Holden  
Resident Inspector  
c/o U.S. Nuclear Regulatory Commission  
P. O. Box E  
Wiscasset, Maine 04578

Mr. P. L. Anderson  
Project Manager  
Yankee Atomic Electric Company  
1671 Worcester Road  
Framingham, Massachusetts 01701

U.S. Environmental Protection Agency  
Region I Office  
ATTN: Reg. Radiation Representative  
JFK Federal Building  
Boston, Massachusetts 02203

Mr. John H. Garrity, Senior Director  
Nuclear Engineering and Licensing  
Maine Yankee Atomic Power Company  
83 Edison Drive  
Augusta, Maine 04336

Maine Yankee Seismic

Design Review Meeting

<u>Name</u>	<u>Organization</u>
Ken Heitner	NRC Project Manager
Peter L. Anderson	YAEC-MY Project Manager
Wm. J. Metevia	YAEC-MY Assit. Project Manager
G. D. Whittier	Maine Yankee Licensing
R. J. Holf	Weston Geophysical
J. R. Miller	Chief, ORB#3, NRC
John Jacobson	Yankee Atomic Electric Co.
Thomas Cheng	NRC/SEPB
Tom O'Hara	Yankee
Allen Cordell	Consultant
Leon Reiter	NRC
Bob Johnson	NRC
R. L. Rothman	NRC
Jeff Kimball	NRC
Dick McMullen	NRC/GSB
Steve Brocoum	NRC/GSB
Chris Bell	Northeast Utilities
Peter Yanev	EQE Inc.