

August 20, 1982

Docket No. 53-029  
LS05-82-08-042

Mr. James A. Kay  
Senior Engineer - Licensing  
Yankee Atomic Electric Company  
1671 Worcester Road  
Framingham, Massachusetts 01701

Dear Mr. Kay:

SUBJECT: SEP TOPICS VI-2.D, MASS AND ENERGY RELEASE FOR POSSIBLE  
PIPE BREAK INSIDE CONTAINMENT AND VI-3, CONTAINMENT  
PRESSURE AND HEAT REMOVAL CAPABILITY, YANKEE NUCLEAR  
POWER STATION

By a letter dated June 7, 1982, we issued a joint safety evaluation  
for the subject SEP topics. In the safety evaluation we concluded  
that the containment functional design of the Yankee Plant did not  
meet current licensing acceptance criteria. However, the staff per-  
formed an independent containment LOCA and MSLB analysis which resulted  
in containment pressure and temperature profiles that are acceptable to  
the staff.

You were requested to inform us if your facility differed from the  
basis assumed in the safety evaluation or if you had any comments on  
the safety evaluation. This letter is to confirm your telephone  
conversation of August 13, 1982, with the Yankee Integrated Assessment  
Project Manager in which you stated that YAEC understood our analysis  
and evaluation and did not intend to provide written comments. Based  
on this telephone conversation, we consider these evaluations to be  
final.

SEOY  
DSU WE(11)

The topic evaluations will be basic inputs to the integrated safety  
assessment. They may be revised in the future if your facility  
design is changed or if NRC criteria relating to these topics are  
modified before the integrated assessment is completed.

Sincerely,

Ralph Caruso, Project Manager  
Operating Reactors Branch No. 5  
Division of Licensing

AD:SA:DL  
Tippolito  
8/18/82

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OFFICE ▶	cc: See next page	SEP B:DL <i>MLB</i>	SEP B:DL <i>CG</i>	SEP B:DL <i>WR</i>	ORB#5:PM	ORB#5:BC
SURNAME ▶		MBoyle:dk	CGrimes	WRussell	RCaruso	DCRitchfield
DATE ▶		8/16/82	8/16/82	8/16/82	8/17/82	8/18/82

Mr. James A. Kay

Yankee  
Docket No. 50-29  
Revised 3/30/82

cc  
Mr. James E. Tribble, President  
Yankee Atomic Electric Company  
25 Research Drive  
Westborough, Massachusetts 01581

Chairman  
Board of Selectmen  
Town of Rowe  
Rowe, Massachusetts 01367

Energy Facilities Siting Council  
14th Floor  
One Ashburton Place  
Boston, Massachusetts 02108

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

Resident Inspector  
Yankee Rowe Nuclear Power Station  
c/o U.S. NRC  
Post Office Box 28  
Monroe Bridge, Massachusetts 01350

Ronald C. Haynes, Regional Administrator  
Nuclear Regulatory Commission, Region I  
631 Park Avenue  
King of Prussia, Pennsylvania 19406