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DEC 13 1973

Docket No. 50-29

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Yankee Atomic Electric Company  
ATTN: Donald E. Vandenburg  
Vice President  
20 Turnpike Road  
Westboro, Massachusetts 01581

Gentlemen:

Your letter dated July 2, 1973, submitted "Report on Effects of a Piping System Break Outside Containment at Yankee Nuclear Generating Station" dated July 1973 as required by our letter of December 18, 1972. Our letters of December 18, 1972, and January 17, 1973, contained criteria by which a postulated rupture in any high energy fluid piping outside the primary containment was to be evaluated to assure safe plant shutdown capability. On January 31, 1973, a meeting was held to discuss the criteria and the results of your preliminary study.

By letter dated July 31, 1973, we requested additional information which you submitted by letter dated September 12, 1973, titled "Report on Effects of a Piping System Break Outside Containment Supplemental Information" dated September 1973.

Based on our review of your reports, we have concluded that upon completion of necessary plant modifications, the Yankee Nuclear Power Station can withstand the consequences of a rupture in any high energy fluid piping outside containment without loss of the capability to initiate and maintain safe shutdown of the plant. A copy of our related Safety Evaluation is enclosed.

Sincerely,

Original signed by  
Donald J. Skovholt

Donald J. Skovholt  
Assistant Director for  
Operating Reactors  
Directorate of Licensing

8011200 201

Enclosure:

OFFIC	Safety Evaluation	L:ORB#L	L:ORB#L	L:ORB#L	L:ORB#L	
SURNAME		GLChipman:dc	SATEets	RJSchemel	DJSkovholt	
DATE		12/10/73	12/11/73	12/12/73	12/12/73	