

July 24, 1984

Docket No. 50-271

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Mr. J. B. Sinclair  
 Licensing Engineer  
 Vermont Yankee Nuclear Power Corporation  
 1671 Worcester Road  
 Framingham, Massachusetts 01701

Dear Mr. Sinclair:

SUBJECT: SAFETY EVALUATION FOR APPENDIX R TO 10 CFR PART 50,  
 ITEMS III.G.3 AND III.L

Re: Vermont Yankee Nuclear Power Station

By letter dated January 13, 1983 we transmitted the Safety Evaluation regarding the safe shutdown capability in the event of fire for Vermont Yankee Nuclear Power Station. By letter dated May 18, 1984 you proposed to modify the method of achieving cold shutdown to meet the 72-hour cold shutdown requirement of Appendix R from the method which had been approved in our January 13, 1983 letter. Your proposed modification for safe shutdown capability was evaluated against the requirements of Sections III.G.3 and III.L of Appendix R to 10 CFR Part 50. We conclude that the Vermont Yankee Nuclear Power Station proposed modifications for alternate safe shutdown is in accordance with Appendix R, Section II.G.3 and III.L requirements with respect to safe shutdown in the event of fire in the control room, the cable spreading room and the switchgear room.

Our Supplemental Safety Evaluation is enclosed.

Sincerely,

Original signed by/

Domenic B. Vassallo, Chief  
 Operating Reactors Branch #2  
 Division of Licensing

Enclosure:  
 Supplemental  
 Safety Evaluation

cc w/enclosure:  
 See next page

DL:ORB#2  
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DL:ORB#2  
 DVassallo  
 07/24/84

Mr. J. B. Sinclair  
Vermont Yankee Nuclear Power Corporation  
Vermont Yankee Nuclear Power Station

cc:

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