

OCT 14 1982

DISTRIBUTION:

Docket File	DEisenhut	LJHarmon
NRC PDR	SNorris	TBarnhart-4
L PDR	VRooney	LSchneider
ORB#2 Rdg	Gray File	DBrinkman
	DWigginton	CMiles
	OELD	RDiggs
	AEOD	EJordan
	IE-JMTaylor	
	ACRS-10	

Docket No. 50-271

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

Dear Mr. Sinclair:

Subject: NUREG-0737, Item I.A.2.1, "Upgraded RO and SRO Training",
 and Item II.B.4, "Training for Mitigating Core Damage".

Re: Vermont Yankee

We have reviewed the enclosed Technical Evaluation Report prepared by our contractor, Science Applications, Inc. regarding NUREG-0737 Items I.A.2.1, "Upgrading of RO and SRO Training", and II.B.4, "Training for Mitigating Core Damage". The contractor's review was based on your letters dated July 29, 1980, December 15, 1980, and May 5, 1982.

Based on our review, we conclude that the requirements of NUREG-0737 Items I.A.2.1 and II.B.4 have been met, as stated in the enclosed safety evaluation, and therefore these items are considered resolved for your facility.

Sincerely,

ORIGINAL SIGNED BY

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

Enclosures:

1. Safety Evaluation
2. Technical Evaluation Report

cc w/enclosures:
 See next page

B211060479 B21014
 PDR ADOCK 05000271
 P PDR

OFFICE	ORB#2:DL	ORB#2:DL	C-ORB#2:DL	LQB:DHFS		
SURNAME	SNorris	VRooney/cb	DVassallo	H. Bocher		
DATE	10/8/82	10/8/82	10/14/82	10/13/82		

Mr. J. B. Sinclair

cc:

Mr. W. F. Conway
President & Chief Executive Officer
Vermont Yankee Nuclear Power Corp.
R.D. 5, Box 169
Ferry Road
Brattleboro, Vermont 05301

Mr. Louis Heider, V. P.
Vermont Yankee Nuclear Power Corp.
1671 Worcester Road
Framingham, Massachusetts 01701

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

New England Coalition on Nuclear
Pollution
Hill and Dale Farm
R.D. 2, Box 223
Putney, Vermont 05346

Mr. Walter Zaluzny
Chairman, Board of Selectman
P.O. Box 116
Vernon, Vermont 05354

J. P. Pelletier, Plant Manager
Vermont Yankee Nuclear Power Corp.
P.O. Box 157
Vernon, Vermont 05354

Raymond N. McCandless
Vermont Division of Occupational
& Radiological Health
Administration Building
10 Baldwin Street
Montpelier, Vermont 05602

Honorable John J. Easton
Attorney General
State of Vermont
109 State Street
Montpelier, Vermont 05602

W. P. Murphy, Vice President &
Manager of Operations
Vermont Yankee Nuclear Power Corp.
R. D. 5, Box 169
Ferry Road
Brattleboro, Vermont 05301

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

Public Service Board
State of Vermont
120 State Street
Montpelier, Vermont 05602

Vermont Yankee Decommissioning
Alliance
53 Frost Street
Brattleboro, Vermont 05301

Vermont Yankee Decommissioning
Alliance
5 State Street
Box 1117
Montpelier, Vermont 05602

Resident Inspector
c/o U.S. NRC
P.O. Box 176
Vernon, Vermont 05453

Vermont Public Interest Research
Group, Inc.
43 State Street
Montpelier, VT 05602

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



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555
SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

(ITEMS I.A.2.1 and II.B.4 of NUREG 0737)

VERMONT YANKEE NUCLEAR POWER STATION

DOCKET NO. 50-271

1.0 INTRODUCTION

As a consequence of the accident at TMI-2, implementation of a number of new requirements has been recommended for operating reactors. These requirements are described in NUREG-0660, "NRC Action Plan Developed as a Result of the TMI-2 Accident," May 1980, and NUREG-0737, "Clarification of TMI Action Plan Requirements," November 1980. The NRC staff has requested licensees to submit information sufficient to permit an independent evaluation of their response to these requirements. This report provides an evaluation of the response to TMI Action Plan Items I.A.2.1 and II.B.4, by Vermont Yankee Nuclear Power Corporation (Vermont Yankee).

2.0 EVALUATION

ITEM I.A.2.1

Vermont Yankee has established a program to assure that all reactor operator and senior operator license applicants have the experience and training required by TMI Action Plan Item I.A.2.1. Facility certifications of applicants for operator and senior operator licenses are signed by the highest level of corporate management for plant operations (Manager of Operations).

Vermont Yankee has modified the initial and requalification training programs to include training in areas required by TMI Action Plan Item I.A.2.1.4. The training programs include instruction in heat transfer, fluid flow, thermodynamics and mitigation of accidents involving a degraded core. The training programs provide an increased emphasis on reactor and plant transients.

An NRC staff contractor, Science Applications Incorporated (SAI), has reviewed the licensee's submittals and prepared the attached Technical Evaluation Report. The NRC staff has reviewed this evaluation and concurs in its basis and findings.

ITEM II.B.4

Vermont Yankee has developed and implemented a training program to teach the use of installed equipment and systems to control or mitigate accidents in which the core is severely damaged.

The program includes training subjects equivalent to those specified in Enclosure 3 to the letter from H. R. Denton to all power reactor applicants and licensees, dated March 28, 1980. SAI's review of Vermont Yankee's program indicated that the training content and participants meet the staff requirements of TMI Action Plan Item II.B.4 and is therefore acceptable.

This completes the action required by Item II.B.4. However, future changes to the facilities, such as installation of additional instrumentation to detect conditions of inadequate core cooling, should be reflected in updates to the training program.

3.0 CONCLUSIONS

The information submitted by Vermont Yankee provided sufficient details of the programs for upgrading RO and SRO training and for training for mitigating core damage for the staff to conclude that the requirements of TMI Action Plan Items I.A.2.1 and II.B.4 have been met.

Date: October 14, 1982

Principal Contributor: D. Haverkamp