

August 25, 1993

Docket No. 50-271

Mr. Donald A. Reid, Vice President
Operations
Vermont Yankee Nuclear Power Corporation
Ferry Road
Brattleboro, Vermont 05301

DISTRIBUTION:

Docket File	OGC 15B18
NRC & Local PDRs	DHagan - MNBB 3206
PDI-3 Reading	GHill (2) - P1-22
SVarga	WJones - P370
JCalvo	CGrimes - 11F23
WButler	ACRS (10) P315
SLittle	OPA - 2G5
DDorman	OC/LFDCB - MNBB 11104
JLinville, RI	JWermiel

Dear Mr. Reid

SUBJECT: ISSUANCE OF AMENDMENT NO. 136 TO FACILITY OPERATING LICENSE NO. DPR-28, VERMONT YANKEE NUCLEAR POWER STATION (TAC NO. M85184)

The Commission has issued the enclosed Amendment No. 136 to Facility Operating License No. DPR-28 for the Vermont Yankee Nuclear Power Station. This amendment is in response to your application dated December 15, 1992.

The amendment revises Technical Specification (TS) Table 4.2.5 startup range monitor/intermediate-range monitor Surveillance Requirement for "Detector Not Fully Inserted" "trip function" by replacing "Note 6" under calibration, with "N/A."

A copy of the related Safety Evaluation is also enclosed. Notice of Issuance will be included in the Commission's biweekly Federal Register Notice.

Sincerely,
Original signed by Jefferey F. Harold for:
Daniel H. Dorman, Project Manager
Project Directorate I-3
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Enclosures:

- Amendment No. 136 to License No. DPR-28
- Safety Evaluation

cc w/enclosures:
See next page

NRC FILE CENTER COPY

*SEE PREVIOUS CONCURRENCE

OFFICE	PDI-3:LA*	PDI-3:PM*	PDI-3:PM*	OGC*	OTSB:BCG	PDI-3:D
NAME	SLittle	DMoran:dt	DDorman	RBachmann	CGrimes	WButler
DATE	7/29/93	7/28/93	8/02/93	8/05/93	8/23/93	8/25/93

OFFICIAL RECORD COPY
Document Name: VYM85184.AMD

*93-136

9309020290 930825
PDR ADOCK 05000271
P PDR

DF01



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

August 25, 1993

Docket No. 50-271

Mr. Donald A. Reid, Vice President
Operations
Vermont Yankee Nuclear Power Corporation
Ferry Road
Brattleboro, Vermont 05301

Dear Mr. Reid:

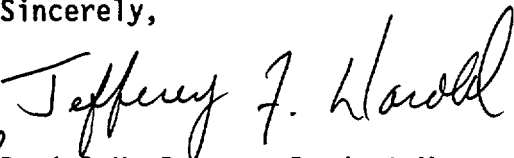
SUBJECT: ISSUANCE OF AMENDMENT NO. 136 TO FACILITY OPERATING LICENSE NO.
DPR-28, VERMONT YANKEE NUCLEAR POWER STATION (TAC NO. M85184)

The Commission has issued the enclosed Amendment No. 136 to Facility Operating License No. DPR-28 for the Vermont Yankee Nuclear Power Station. This amendment is in response to your application dated December 15, 1992.

The amendment revises Technical Specification (TS) Table 4.2.5 startup range monitor/intermediate-range monitor Surveillance Requirement for "Detector Not Fully Inserted" "trip function" by replacing "Note 6" under calibration, with "N/A."

A copy of the related Safety Evaluation is also enclosed. Notice of Issuance will be included in the Commission's biweekly Federal Register Notice.

Sincerely,


For Daniel H. Dorman, Project Manager
Project Directorate I-3
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 136 to License No. DPR-28
2. Safety Evaluation

cc w/enclosures:
See next page

Mr. Donald A. Reid, Vice President
Operations

Vermont Yankee Nuclear Power Station

cc:

Mr. Jay Thayer, Vice President
Yankee Atomic Electric Company
580 Main Street
Bolton, Massachusetts 01740-1398

G. Dana Bisbee, Esq.
Office of the Attorney General
Environmental Protection Bureau
State House Annex
25 Capitol Street
Concord, New Hampshire 03301-6937

Regional Administrator, Region I
U. S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, Pennsylvania 19406

Resident Inspector
Vermont Yankee Nuclear Power Station
U.S. Nuclear Regulatory Commission
P. O. Box 176
Vernon, Vermont 05354

R. K. Gad, III
Ropes & Gray
One International Place
Boston, Massachusetts 02110-2624

Chief, Safety Unit
Office of the Attorney General
One Ashburton Place, 19th Floor
Boston, Massachusetts 02108

Mr. Richard P. Sedano, Commissioner
Vermont Department of Public Service
120 State Street, 3rd Floor
Montpelier, Vermont 05602

Mr. David Rodham, Director
Massachusetts Civil Defense Agency
400 Worcester Rd.
P.O. Box 1496
Framingham, Massachusetts 01701-0317
ATTN: James Muckerheide

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

Chairman, Board of Selectmen
Town of Vernon
Post Office Box 116
Vernon, Vermont 05354-0116

Mr. Raymond N. McCandless
Vermont Division of Occupational
and Radiological Health
Administration Building
Montpelier, Vermont 05602

Mr. J. P. Pelletier, Vice President
Vermont Yankee Nuclear Power
Corporation
Ferry Road
Brattleboro, Vermont 05301

Mr. L. A. Tremblay
Senior Licensing Engineer
Vermont Yankee Nuclear Power
Corporation
580 Main Street
Bolton, Massachusetts 01740-1398

Mr. Robert J. Wanczyk, Plant Manager
Vermont Yankee Nuclear Power Station
P.O. Box 157, Governor Hunt Road
Vernon, VT 05354



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

VERMONT YANKEE NUCLEAR POWER CORPORATION

DOCKET NO. 50-271

VERMONT YANKEE NUCLEAR POWER STATION

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 136
License No. DPR-28

1. The Nuclear Regulatory Commission (the Commission or the NRC) has found that:
 - A. The application for amendment filed by the Vermont Yankee Nuclear Power Corporation (the licensee) dated December 15, 1992, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance: (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 3.B of Facility Operating License No. DPR-28 is hereby amended to read as follows:

9309020300 930825
PDR ADOCK 05000271
P PDR

Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 136, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of its date of issuance and shall be implemented within 30 days.

FOR THE NUCLEAR REGULATORY COMMISSION



Walter R. Butler, Director
Project Directorate I-3
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Attachment:
Changes to the Technical
Specifications

Date of Issuance: August 25, 1993

ATTACHMENT TO LICENSE AMENDMENT NO. 136

FACILITY OPERATING LICENSE NO. DPR-28

DOCKET NO. 50-271

Replace the following pages of the Appendix A Technical Specifications with the attached pages. The revised pages are identified by Amendment number and contain vertical lines indicating the area of change.

Remove

59

Insert

59

VYNPS

TABLE 4.2.5

MINIMUM TEST AND CALIBRATION FREQUENCIES

CONTROL ROD BLOCK INSTRUMENTATION

<u>Trip Function</u>	<u>Functional Test</u>	<u>Calibration</u>
Startup Range Monitor		
a. Upscale	Notes 4 and 6	Note 6
b. Detector Not Fully Inserted	Note 6	NA
Intermediate Range Monitor		
a. Upscale	Notes 4 and 6	Note 6
b. Downscale	Notes 4 and 6	Note 6
c. Detector Not Fully Inserted	Note 6	NA
Average Power Range Monitor		
a. Upscale (Flow Bias)	Notes 1 and 4	Every Three Months
b. Downscale	Notes 1 and 4	Every Three Months
Rod Block Monitor		
a. Upscale (Flow Bias)	Notes 1 and 4	Every Three Months
b. Downscale	Notes 1 and 4	Every Three Months
Trip System Logic	Once/Operating Cycle	Once/Operating Cycle (Note 3)
High Water Level in Scram Discharge Volume	Every Three Months	Refueling Outage



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 136 TO FACILITY OPERATING LICENSE NO. DPR-28
VERMONT YANKEE NUCLEAR POWER CORPORATION
VERMONT YANKEE NUCLEAR POWER STATION
DOCKET NO. 50-271

1.0 INTRODUCTION

By letter dated December 15, 1992, the Vermont Yankee Nuclear Power Corporation (the licensee) submitted a request for changes to the Vermont Yankee Nuclear Power Station Technical Specifications (TS). The requested changes would replace Page 59 of the Vermont Yankee TS to correct the surveillance requirements applicable to the calibration of equipment responsible for the "Detector Not Fully Inserted" Trip Function for the startup range monitor (SRM) and intermediate-range monitor (IRM).

The specific change is to correct the calibration interval for the SRM and IRM "Detector Not Fully Inserted" Trip Function. It is proposed to change the interval from "a required frequency not to exceed once per week" to "NA" (Not Applicable). A calibration requirement is not applicable to equipment performing this function. It is believed that the Note 6 entry dictating calibration frequency was an error. Actual maintenance and functional testing performed on the equipment of concern will not change. Therefore, this change is considered to be Administrative.

2.0 EVALUATION

The licensee proposed a change to the TS calibration requirements in Table 4.2.5 to reflect that no realistic calibration of the SRM and IRM "Detector Not Fully Inserted" Control Rod Block Function is possible. Verification of proper operation of the "Detector Not Fully Inserted" Trip Function is provided by functional testing. As such, it is proposed to change the "Note 6" entry under calibration to "NA" in Table 4.2.5. Actual surveillances and testing presently performed on the subject equipment will not change. A "NA" entry for this requirement is consistent with the requirements in the BWR Standard Technical Specifications.

2.1 Basis for Change

Table 4.2.5 has been revised to include a "NA" entry under calibration frequency for the SRM and IRM "Detector Not Fully Inserted" Trip Function.

The licensee does not consider any of the actions performed to assure proper operation of this trip function to fall under the category of calibration nor do they find that any additional actions other than functional testing are necessary. The staff agrees with this position. Additional assurance of proper equipment operation is provided by periodic maintenance on this equipment. Only the listed calibration frequency in the TS has changed. The correction in calibration frequency will not change any of the surveillances or testing which are currently being performed. All the required maintenance will remain the same. The calibration requirements have been revised to agree with those which currently exist in the BWR Standard Technical Specifications.

The requested change to the calibration frequency of the "Detector Not Fully Inserted" Rod Block function does not impact any final safety analysis report FSAR nor does it involve any change in TS setpoints, plant operation, protective function or design basis of the plant. Assurance of equipment operation is still provided by the functional tests, calibrations and maintenance, which are still to be performed, such that intended Control Rod Block Functions are provided.

3.0 STATE CONSULTATION

In accordance with the Commission's regulations, the Vermont State official was notified of the proposed issuance of the amendment. The State official had no comments.

4.0 ENVIRONMENTAL CONSIDERATION

The amendment changes a requirement with respect to installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20 and changes surveillance requirements. The NRC staff has determined that the amendment involves no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite, and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that the amendment involves no significant hazards consideration, and there has been no public comment on such finding (58 FR 34097). Accordingly, the amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b) no environmental impact statement or environmental assessment need be prepared in connection with the issuance of the amendment.

5.0 CONCLUSION

The Commission has concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, (2) such

activities will be conducted in compliance with the Commission's regulations, and (3) the issuance of the amendment will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributor: David H. Moran

Date: August 25, 1993