

March 25, 1991

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

Dear Mr. Tremblay:

SUBJECT: ISSUANCE OF AMENDMENT NO. 129 TO FACILITY OPERATING LICENSE NO.
DPR-28 - VERMONT YANKEE NUCLEAR POWER STATION (TAC NO. 79451)

The Commission has issued the enclosed Amendment No. 129 to Facility Operating License No. DPR-28 for the Vermont Yankee Nuclear Power Station. This amendment is in response to your application dated January 15, 1991.

This amendment removes the valve position monitor surveillance requirement from the Technical Specifications for the low pressure coolant injection system crosstie line valve (RHR-20).

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

This completes action under TAC NO. 79451.

Sincerely,

151

Morton B. Fairtile, Project Manager
Project Directorate I-3
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Enclosures:

- 1. Amendment No. 129 to License No. DPR-28
- 2. Safety Evaluation

cc w/enclosures:
See next page

OFC	:LA:PDI-3	:PM:PDI-3	:NRR:SPB	:OGC	:(A)PD:PDI-3
NAME	:MRushbrook	:MFairtile:dr	:RJones	:J.Hull	:SShanahan
DATE	:3/17/91	:3/17/91	:3/17/91	:3/13/91	:3/15/91

OFFICIAL RECORD COPY
Document Name: AMD VY 79451

9104030121 910325
PDR ADDCK 05000271
P PDR

[Handwritten initials and scribbles]



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

March 25, 1991

Docket No. 50-271

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

Dear Mr. Tremblay:

SUBJECT: ISSUANCE OF AMENDMENT NO. 129 TO FACILITY OPERATING LICENSE NO.
DPR-28 - VERMONT YANKEE NUCLEAR POWER STATION (TAC NO. 79451)

The Commission has issued the enclosed Amendment No. 129 to Facility Operating License No. DPR-28 for the Vermont Yankee Nuclear Power Station. This amendment is in response to your application dated January 15, 1991.

This amendment removes the valve position monitor surveillance requirement from the Technical Specifications for the low pressure coolant injection system crosstie line valve (RHR-20).

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

This completes action under TAC NO. 79451.

Sincerely,

Morton B. Fairtile

Morton B. Fairtile, Project Manager
Project Directorate I-3
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 129 to License No. DPR-28
2. Safety Evaluation

cc w/enclosures:
See next page

AMENDMENT NO. 129 TO DPR-28 VERMONT YANKEE NUCLEAR POWER STATION DATED March 25, 1991

DISTRIBUTION

Docket File 50-271 ←

NRC PDR

Local PDR

PDI-3 Reading

S. Varga

E. Greenman

M. Rushbrook

M. Fairtile

S. Shankman

OGC 15-G-18

Dennis Hagan, MNBB 3206

E. Jordan, MNBB 3701

B. Grimes, 9A3

G. Hill (4), P1-37

Wanda Jones, MNBB 7103

J. Calvo, 11-F-23

ACRS (10), P1-35

GPA/PA, 2-G-5

OC/LFMB, MNBB

J. Johnson, Region I

R. Jones

Mr. L. A. Tremblay, Senior Licensing
Engineer

Vermont Yankee

cc:

Mr. J. Gary Weigand
President & Chief Executive Officer
Vermont Yankee Nuclear Power Corp.
R.D. 5, Box 169
Ferry Road
Brattleboro, Vermont 05301

Honorable James J. Easton
State of Vermont
109 State Street
Montpelier, Vermont 05602

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

James Volz, Esq.
Special Assistant Attorney General
Vermont Department of Public Service
120 State Street
Montpelier, Vermont 05602

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

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

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

Mr. James Pelletier
Vice President - Engineering
Vermont Yankee Nuclear Power Corp.
P.O. Box 169, Ferry Road
Brattleboro, Vermont 05301

Mr. W. P. Murphy, Senior Vice President,
Operations
Vermont Yankee Nuclear Power Corporation
R.D. 5, Box 169
Ferry Road
Brattleboro, Vermont 05301

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

Ms. Louise McCarren, Commissioner
Vermont Department of Public Service
120 State Street, 3rd Floor
Montpelier, Vermont 05602

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

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

Adjuicatory File (2)
Atomic Safety and Licensing Board
Panel Docket
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

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

Robert M. Lazo, Chairman
Atomic Safety and Licensing Board
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

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

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

Mr. L. A. Tremblay

Vermont Yankee

cc:

Frederick J. Shon
Administrative Judge
Atomic Safety and Licensing Board
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Jerry R. Kline
Administrative Judge
Atomic Safety and Licensing Board
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555



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

VERMONT YANKEE NUCLEAR POWER CORPORATION

DOCKET NO. 50-271

VERMONT YANKEE NUCLEAR POWER STATION

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 129
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 January 15, 1991, 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 set forth in 10 CFR Chapter I;
 - 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.

9104030123 910325
PDR ADDCK 05000271
P PDR

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:

Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 129, 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.

FOR THE NUCLEAR REGULATORY COMMISSION



Susan F. Shankman, Acting 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: March 25, 1991

ATTACHMENT TO LICENSE AMENDMENT NO. 129

FACILITY OPERATING LICENSE NO. DPR-28

DOCKET NO. 50-271

Replace the following page of the Appendix A Technical Specifications with the attached page. The revised page is identified by Amendment number and contains vertical lines indicating the area of change.

Remove

51

Insert

51

VYNPS

TABLE 4.2.1 (continued)

Low Pressure Coolant Injection System			
<u>Trip Function</u>	<u>Functional Test</u> ⁽⁸⁾	<u>Calibration</u> ⁽⁸⁾	<u>Instrument Check</u>
Low Reactor Pressure (PT-2-3-56C/D(S1))	(Note 1)	Once/Operating Cycle	---
High Drywell Pressure (PT-10-101A-D(M))	(Note 1)	Once/Operating Cycle	Once Each Day
Low-Low Reactor Vessel Water Level	(Note 1)	Once/Operating Cycle	Once Each Day
Reactor Vessel Shroud Level	(Note 1)	Once/Operating Cycle	---
Low Reactor Pressure (PT-2-128A/B)	(Note 1)	Every Three months	---
RHR Pump Discharge Pressure	(Note 1)	Every Three Months	---
High Drywell Pressure (PT-10-101A-D(S1))	(Note 1)	Once/Operating Cycle	---
Low Reactor Pressure (PT-2-3-56A/B)(S1) & 52C/D(M))	(Note 1)	Once/Operating Cycle	---
Auxiliary Power Monitor	(Note 1)	Every Refueling Outage	Once Each Day
Pump Bus Power Monitor	(Note 1)	None	Once Each Day
Trip System Logic	Once/Operating Cycle	Once/Operating Cycle (Note 3)	---

Amendment No. 58, 76, 90, 106, 110, 129



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
SUPPORTING AMENDMENT NO. 129 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 January 15, 1991, the Vermont Yankee Nuclear Power Corporation (the licensee) proposed changes to the Technical Specifications (TS) for Vermont Yankee. The proposed changes would remove the valve position monitor surveillance requirement from the Technical Specifications for the low pressure coolant injection (LPCI) system crosstie line valve (RHR-20).

Valve RHR-20 was intended only for use in the LPCI loop select logic, which was an Emergency Core Cooling System control feature of the plant that was removed in 1974. Since that time RHR-20 has been required to be maintained locked, in a closed position, with its motor power leads disconnected. However, current Technical Specifications Table 4.2.1 requires that the position of the valve be confirmed once each day by an instrument check.

Following a reportable event (LER 89-023) in which failure to perform daily instrument checks on the LPCI system crosstie monitor occurred, the licensee reexamined the surveillance requirement and proposed corrective action which included submitting for NRC review a Technical Specification change to remove the Technical Specification surveillance requirement. NRC Region I review of the event concluded that licensee corrective actions for LER 89-023 were appropriate and comprehensive and adequately addressed the issues (Inspection Report 50-271/89-17). This proposed change follows from the above described corrective actions.

2.0 EVALUATION

The purpose of the subject surveillance requirement is to confirm the position of valve RHR-20. The licensee states that:

1. Valve RHR-20 is chained and locked shut.
2. The RHR-20 motor leads are disconnected.
3. The RHR-20 key lock switch is defeated.

9104030127 910325
PDR ADOCK 05000271
P PDR

Current licensee administrative procedures require surveillance for the RHR-20 valve position at a minimum frequency of once per operating cycle.

For comparison with practice at other plants for such situations, standard Technical Specifications require no verification of valve position for LPCI system valves that are locked, sealed, or otherwise secured in the correct position.

Because the RHR-20 valve is secured in the correct position (closed), and there is sufficient assurance that the valve will remain in that position, removal of the daily surveillance of valve position indication from the Technical Specifications is acceptable.

3.0 ENVIRONMENTAL CONSIDERATION

This amendment involves a change in a requirement with respect to the installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20. The 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 published a proposed finding that the amendment involves no significant hazards consideration and there has been no public comment on such finding. Accordingly, this 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 this amendment.

4.0 CONCLUSIONS

We have reviewed the request by the Vermont Yankee Nuclear Power Corporation to remove the surveillance requirement for position indication of valve RHR-20 from Technical Specification Table 4.2.1 and conclude that the change is acceptable.

The Commission made a proposed determination that the amendment involves no significant hazards consideration which was published in the Federal Register (56 FR 6882) on February 20, 1991 and consulted with the State of Vermont. No public comments were received and the State of Vermont did not have any comments. The staff concludes that the proposed change to the Technical Specifications is acceptable.

Principal Contributor: V. L. Rooney

Dated: March 25, 1991