

DIST: Docket File NRC PDR LPDR ORB#2 Rdg DEisenhut SNorris
 LJHarmon-1 OELD SECY VRooney TBarnhart-4 LSchneider ACRS-10
 OPA-CMiles RDiggs NSIC Gray ASLAB XTRA-5

Docket No. 50-271

MAY 2- 1983

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

Dear Mr. Sinclair:

The Commission has issued the enclosed Amendment No. 79 to Facility Operating License No. DPR-28 for Vermont Yankee Nuclear Power Station. This amendment consists of changes to the Technical Specifications in response to your application dated February 28, 1983.

These changes to the administrative controls section of your Technical Specifications modify the organizational placement of the Shift Technical Advisors. Page 19 of the Technical Specifications has also been reissued to consolidate changes previously issued separately in Amendments 76 and 78.

Copies of the Safety Evaluation and Notice of Issuance are enclosed.

Sincerely,

ORIGINAL SIGNED BY

Vernon L. Rooney, Project Manager
 Operating Reactors Branch #2
 Division of Licensing

Enclosures:

1. Amendment No. to DPR-28
2. Safety Evaluation
3. Notice of Issuance

cc w/enclosures
 See next page

8305170069 830502
 PDR ADOCK 05000271
 PDR

[Handwritten signatures and initials over the routing table]

OFFICE	DL:ORB#2 SNorris	DL:ORB#2 VRooney: pbb	DL:ORB#2 DVassallo	DL:ORB#2 GLainas	OELD M. L. Barnhart		
SURNAME	4/25/83	4/25/83	4/25/83	4/26/83	4/26/83		
DATE							

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
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Ropes & Gray
225 Franklin Street
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New England Coalition on Nuclear
Pollution
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Honorable John J. Easton
Attorney General
State of Vermont
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Montpelier, Vermont 05602

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Manager of Operations
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Montpelier, Vermont 05602

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Vermont Yankee Decommissioning
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Resident Inspector
c/o U.S. NRC
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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

VERMONT YANKEE NUCLEAR POWER CORPORATION

DOCKET NO. 50-271

VERMONT YANKEE NUCLEAR POWER STATION

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 79
License No. DPR-28

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Vermont Yankee Nuclear Power Corporation (the licensee) dated February 28, 1983 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:

B. Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 79 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 the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



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

Attachment:
Changes to the Technical
Specifications

Date of Issuance: May 2, 1983

ATTACHMENT TO LICENSE AMENDMENT NO. 79

FACILITY OPERATING LICENSE NO. DPR-28

DOCKET NO. 50-271

Revise the Technical Specifications as follows:

REMOVE

19
190a
192
193

INSERT

19
190a
192
193

TABLE 3.1.1

REACTOR PROTECTION SYSTEM (SCRAM) INSTRUMENT REQUIREMENTS

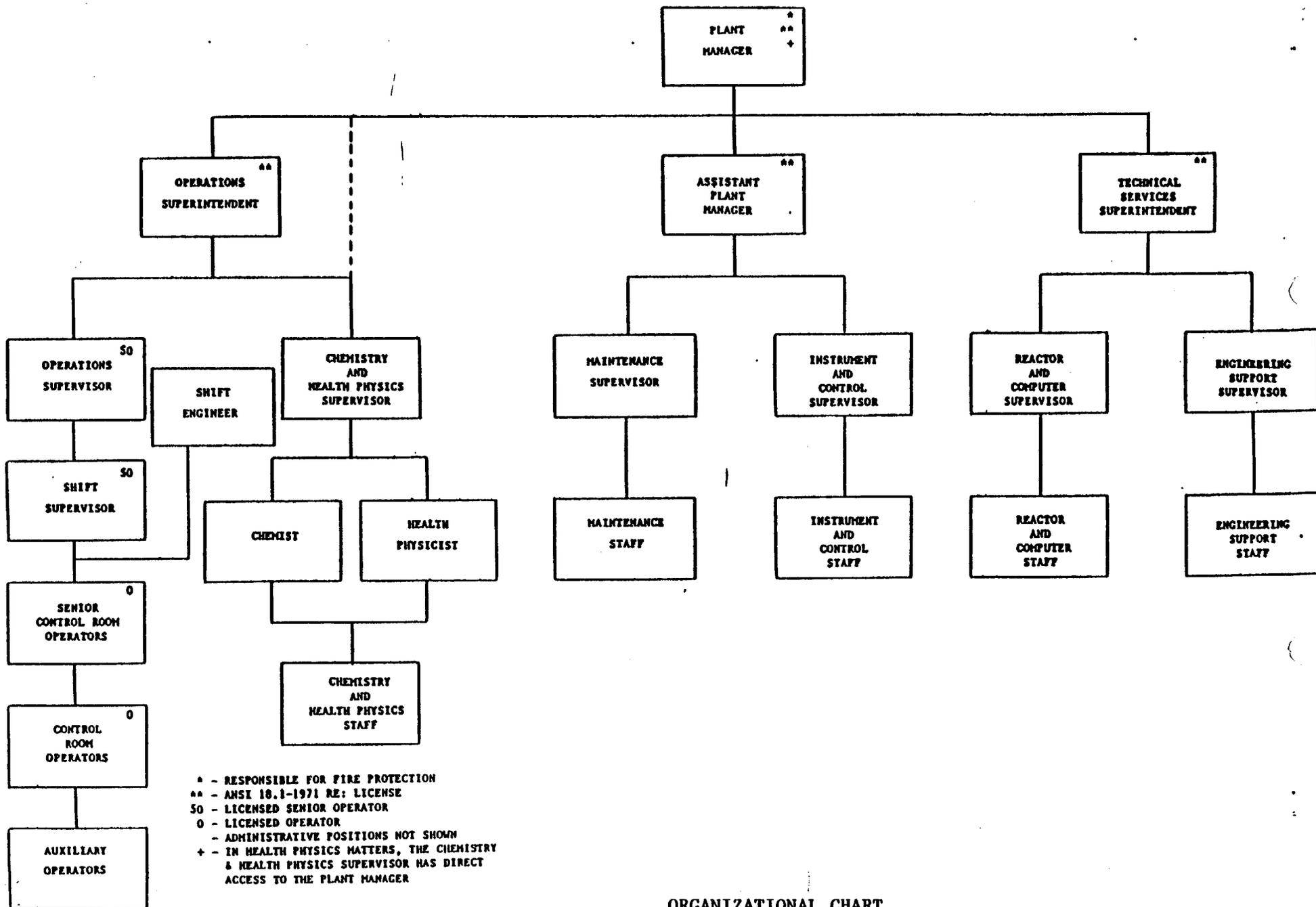
Trip Function	Trip Settings	Modes in Which Functions Must be Operating			Minimum Number Operating Instrument Channels Per Trip System (2)	Required Conditions When Minimum Conditions For Operation Are Not Satisfied (3)
		Refuel (1)	Startup (13)	Run		
1. Mode Switch in Shutdown		X	X	X	1	A
2. Manual Scram		X	X	X	1	A
3. IRM						
High Flux INOP	$\leq 120/125$	X	X	X(11)	2	A
		X	X	X(11)	2	A
4. APRM						
High Flux (flow bias)	$\leq 0.66W+54Z(4)$			X	2	A or B
High Flux (reduced)	$\leq 15\%$	X	X		2	A
INOP				X	2(5)	A or B
Downscale	$\geq 2/125$			X	2	A or B
5. High Reactor Pressure	≤ 1055 psig	X	X	X	2	A
6. High Drywell Pressure	≤ 2.5 psig	X	X	X	2	A
7. Reactor Low (6) Water Level	≥ 127.0 inches	X	X	X	2	A
8. Scram Discharge Volume High Level	≤ 21 gallons	X	X	X	2 (per volume)	A

5. The Plant Health Physicist shall meet or exceed the qualifications of Regulatory Guide 1.8, Revision 1 (September 1975).
 6. The Shift Engineer shall have a bachelor's degree or equivalent in a scientific or engineering discipline with specific training in plant design, and response and analysis of the plant for transients and accidents.
- E. A Fire Brigade of at least five members shall be maintained on-site at all times. # This excludes two members of the minimum shift crew necessary for safe shutdown of the plant and any personnel required for other essential functions during a fire emergency.

Fire Brigade composition may be less than the minimum requirements for a period of time not to exceed two hours in order to accommodate unexpected absence of Fire Brigade members provided immediate action is taken to restore the Fire Brigade to within the minimum requirements.

VERMONT YANKEE NUCLEAR POWER STATION

Amendment No. 79



- * - RESPONSIBLE FOR FIRE PROTECTION
- ** - ANSI 18.1-1971 RE: LICENSE
- 50 - LICENSED SENIOR OPERATOR
- 0 - LICENSED OPERATOR
- ADMINISTRATIVE POSITIONS NOT SHOWN
- + - IN HEALTH PHYSICS MATTERS, THE CHEMISTRY & HEALTH PHYSICS SUPERVISOR HAS DIRECT ACCESS TO THE PLANT MANAGER

ORGANIZATIONAL CHART
FIGURE 6.1.2

VYNPS

TABLE 6.1.1

Vermont Yankee staff positions that shall be filled by personnel holding Senior Operator and Operator licenses are indicated in the following table:

<u>Title</u>	<u>License</u>
Operations Supervisor	Senior Operator
Shift Supervisor	Senior Operator
Supervisory Control Room Operator	Operator
Control Room Operator	Operator

MINIMUM SHIFT CREW
PERSONNEL & LICENSE
REQUIREMENTS

	<u>Conditions</u>		
	<u>Normal Operation</u>	<u>Plant Startup</u>	<u>Cold Shutdown</u>
Shift Supervisor	(1)	(1)	-
Supervisory Control Room Operator	(1)	(1)	(1)
Control Room Operator	(1)	(1)	(1)
Auxiliary Operator	(2)	(2)	(1)
Shift Engineer	(1)	(1)	-
Senior Operators License	(1)	(1)	(1)
Operators License	(2)	(2)	(1)



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
SUPPORTING AMENDMENT NO. 79 TO FACILITY OPERATING LICENSE NO. DPR-28
VERMONT YANKEE NUCLEAR POWER CORPORATION
VERMONT YANKEE NUCLEAR POWER STATION
DOCKET NO. 50-271

Introduction

By letter dated February 28, 1983, the Vermont Yankee Nuclear Power Corporation, VYNPC or licensee, requested Proposed Change No. 112 to the Vermont Yankee plant Technical Specifications, involving a change to the title of the individuals providing engineering expertise to the operating shifts and a change in the organizational location of these individuals.

Evaluation

In the existing Technical Specifications for the Vermont Yankee plant, the individuals providing engineering advice to the operating shift are designated the Shift Technical Advisors. By this change, the licensee proposes to change the title to Shift Engineer. This is a title change only and would have no effect on the qualifications or performance of these individuals. Hence, approving the change would have no adverse effect on the health and safety of the public.

In the existing plant organization, the Shift Technical Advisors report to the Technical Services Superintendent. Under the proposed change, the Shift Engineers will be located in the Operations Department.

The licensee now has eight individuals trained for STA duties. Under the proposed organizational change, one Shift Engineer would be assigned as an integral member of each of the six operating shifts. These individuals would rotate with their shifts, including taking requalification training during the training week. While on shift, the Shift Engineer will work for the Shift Supervisor, performing non-licensed duties as assigned. These duties include a primary function of providing advice and assistance to the Shift Supervisor on any off-normal events that may occur, and normally would also include such matters as handling work permits involving possible fire hazards and preparing plant information reports.

When not performing their primary responsibilities for the Shift Supervisor, the Shift Engineers would be available to work in a secondary role for the Operations Engineer, whose duties include such matters as review and update of Operations Department procedures, evaluation and review of proposed design changes, operating experience assessment, and trending studies.

We have reviewed the licensee submittal and we met with representatives of the licensee on March 31, 1982, to discuss the proposed change. Our conclusion is that this proposed change will enhance plant safety by integrating the Shift Engineers into the operating shifts such that the personnel will gain experience in training and working together as a team, thereby enabling the Shift Engineers to play a more positive role in advising and assisting the Shift Supervisor regarding off-normal plant conditions.

Based on the discussion presented above, we conclude that Proposed Change No. 112 to the Vermont Yankee Technical Specification is acceptable.

Environmental Consideration

We have determined that the amendment does not authorize a change in effluent types or total amounts nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that the amendment involves an action which is insignificant from the standpoint of environmental impact and, pursuant to 10 CFR §51.5(d)(4), that an environmental impact statement, or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of this amendment.

Conclusion

We have concluded, based on the considerations discussed above, that: (1) because the amendment does not involve a significant increase in the probability or consequences of an accident previously evaluated, does not create the possibility of an accident of a type different from any evaluated previously, and does not involve a significant reduction in a margin of safety, the amendment does not involve a significant hazards consideration, (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (3) such activities will be conducted in compliance with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

Dated: May 2, 1983

Principal Contributor: L. Crocker

UNITED STATES NUCLEAR REGULATORY COMMISSIONDOCKET NO. 50-271VERMONT YANKEE NUCLEAR POWER CORPORATIONNOTICE OF ISSUANCE OF AMENDMENT TO FACILITYOPERATING LICENSE

The U.S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 79 to Facility Operating License No. DPR-28, issued to Vermont Yankee Nuclear Power Corporation which revised Technical Specifications for operation of the Vermont Yankee Nuclear Power Station (the facility) located near Vernon, Vermont. The amendment is effective as of its date of issuance.

The amendment modifies the Technical Specifications pertaining to the organizational placement of the Shift Technical Advisor.

The application for the amendment complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commission has made appropriate findings as required by the Act and the Commission's rules and regulations in 10 CFR Chapter I, which are set forth in the license amendment. Prior public notice of this amendment was not required since the amendment does not involve a significant hazards consideration.

The Commission has determined that the issuance of this amendment will not result in any significant environmental impact and that pursuant to 10 CFR 51.5(d)(4) an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with issuance of this amendment.

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PDR

For further details with respect to this action, see (1) the application for amendment dated February 28, 1983 (2) Amendment No. 79 to License No. DPR-28, and (3) the Commission's related Safety Evaluation. All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, N. W. Washington, D.C., and at the Brooks Memorial Library, 224 Main Street, Brattleboro, Vermont 05301. A copy of items (2) and (3) may be obtained upon request addressed to the U.S. Nuclear Regulatory Commission, Washington, D.C. 20555, Attention: Director, Division of Licensing.

Dated at Bethesda, Maryland this 2nd day of May 1983.

FOR THE NUCLEAR REGULATORY COMMISSION


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



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

May 2, 1983

Docket No. 50-271

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

Dear Mr. Sinclair:

The Commission has issued the enclosed Amendment No.79 to Facility Operating License No. DPR-28 for Vermont Yankee Nuclear Power Station. This amendment consists of changes to the Technical Specifications in response to your application dated February 28, 1983.

These changes to the administrative controls section of your Technical Specifications modify the organizational placement of the Shift Technical Advisors. Page 19 of the Technical Specifications has also been reissued to consolidate changes previously issued separately in Amendments 76 and 78.

Copies of the Safety Evaluation and Notice of Issuance are enclosed.

Sincerely,

A handwritten signature in cursive script, appearing to read "V. Rooney".

Vernon L. Rooney, Project Manager
Operating Reactors Branch #2
Division of Licensing

Enclosures:

1. Amendment No.79 to DPR-28
2. Safety Evaluation
3. Notice of Issuance

cc w/enclosures
See next page

Rec of 430517009

Mr. J. B. Sinclair

cc:

Mr. W. F. Conway
President & Chief Executive Officer
Vermont Yankee Nuclear Power Corp.
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Brattleboro, Vermont 05301

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Vermont Yankee Nuclear Power Corp.
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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

VERMONT YANKEE NUCLEAR POWER CORPORATION

DOCKET NO. 50-271

VERMONT YANKEE NUCLEAR POWER STATION

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 79
License No. DPR-28

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Vermont Yankee Nuclear Power Corporation (the licensee) dated February 28, 1983 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:
 - B. Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 79 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 the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



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

Attachment:
Changes to the Technical
Specifications

Date of Issuance: May 2, 1983

ATTACHMENT TO LICENSE AMENDMENT NO. 79

FACILITY OPERATING LICENSE NO. DPR-28

DOCKET NO. 50-271

Revise the Technical Specifications as follows:

REMOVE

19
190a
192
193

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190a
192
193

TABLE 3.1.1

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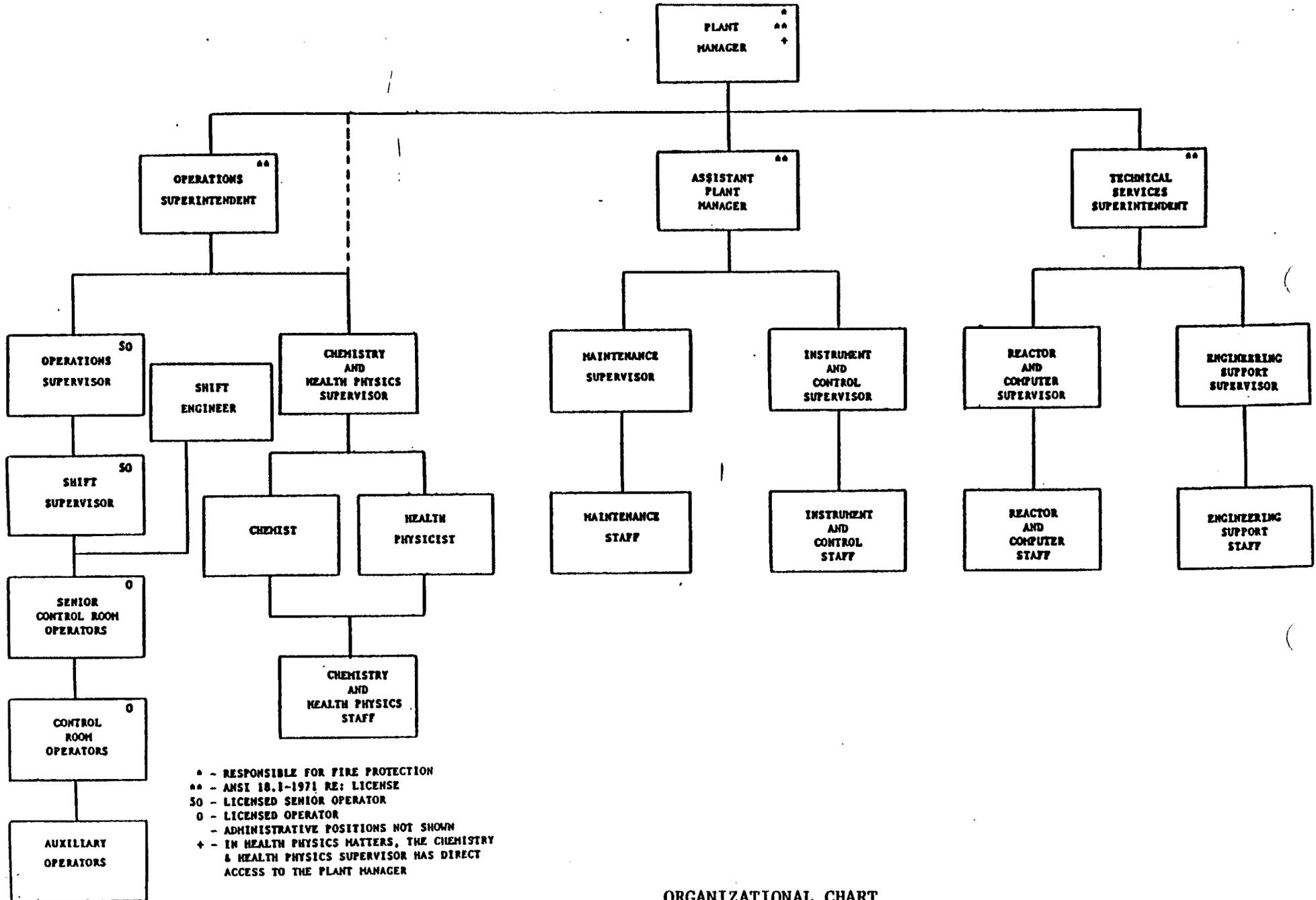
<u>Trip Function</u>	<u>Trip Settings</u>	<u>Modes in Which Functions Must be Operating Refuel Startup Run</u>			<u>Minimum Number Operating Instrument Channels Per Trip System (2)</u>	<u>Required Conditions When Minimum Conditions For Operation Are Not Satisfied (3)</u>
		<u>(1)</u>	<u>(13)</u>	<u>(13)</u>		
1. Mode Switch in Shutdown		X	X	X	1	A
2. Manual Scram		X	X	X	1	A
3. IRM						
High Flux	$\leq 120/125$	X	X	X(11)	2	A
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VERMONT YANKEE NUCLEAR POWER STATION

Amendment No. 79



ORGANIZATIONAL CHART
FIGURE 6.1.2

VYNPS

TABLE 6.1.1

Vermont Yankee staff positions that shall be filled by personnel holding Senior Operator and Operator licenses are indicated in the following table:

<u>Title</u>	<u>License</u>
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**MINIMUM SHIFT CREW
PERSONNEL & LICENSE
REQUIREMENTS**

	<u>Conditions</u>		
	<u>Normal Operation</u>	<u>Plant Startup</u>	<u>Cold Shutdown</u>
Shift Supervisor	(1)	(1)	-
Supervisory Control Room Operator	(1)	(1)	(1)
Control Room Operator	(1)	(1)	(1)
Auxiliary Operator	(2)	(2)	(1)
Shift Engineer	(1)	(1)	-
Senior Operators License	(1)	(1)	(1)
Operators License	(2)	(2)	(1)



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 79 TO FACILITY OPERATING LICENSE NO. DPR-28

VERMONT YANKEE NUCLEAR POWER CORPORATION

VERMONT YANKEE NUCLEAR POWER STATION

DOCKET NO. 50-271

Introduction

By letter dated February 28, 1983, the Vermont Yankee Nuclear Power Corporation, VYNPC or licensee, requested Proposed Change No. 112 to the Vermont Yankee plant Technical Specifications, involving a change to the title of the individuals providing engineering expertise to the operating shifts and a change in the organizational location of these individuals.

Evaluation

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We have reviewed the licensee submittal and we met with representatives of the licensee on March 31, 1982, to discuss the proposed change. Our conclusion is that this proposed change will enhance plant safety by integrating the Shift Engineers into the operating shifts such that the personnel will gain experience in training and working together as a team, thereby enabling the Shift Engineers to play a more positive role in advising and assisting the Shift Supervisor regarding off-normal plant conditions.

Based on the discussion presented above, we conclude that Proposed Change No. 112 to the Vermont Yankee Technical Specification is acceptable.

Environmental Consideration

We have determined that the amendment does not authorize a change in effluent types or total amounts nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that the amendment involves an action which is insignificant from the standpoint of environmental impact and, pursuant to 10 CFR §51.5(d)(4), that an environmental impact statement, or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of this amendment.

Conclusion

We have concluded, based on the considerations discussed above, that: (1) because the amendment does not involve a significant increase in the probability or consequences of an accident previously evaluated, does not create the possibility of an accident of a type different from any evaluated previously, and does not involve a significant reduction in a margin of safety, the amendment does not involve a significant hazards consideration, (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (3) such activities will be conducted in compliance with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

Dated: May 2, 1983

Principal Contributor: L. Crocker

UNITED STATES NUCLEAR REGULATORY COMMISSIONDOCKET NO. 50-271VERMONT YANKEE NUCLEAR POWER CORPORATIONNOTICE OF ISSUANCE OF AMENDMENT TO FACILITYOPERATING LICENSE

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The amendment modifies the Technical Specifications pertaining to the organizational placement of the Shift Technical Advisor.

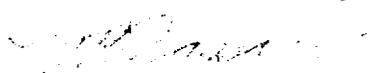
The application for the amendment complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commission has made appropriate findings as required by the Act and the Commission's rules and regulations in 10 CFR Chapter I, which are set forth in the license amendment. Prior public notice of this amendment was not required since the amendment does not involve a significant hazards consideration.

The Commission has determined that the issuance of this amendment will not result in any significant environmental impact and that pursuant to 10 CFR 51.5(d)(4) an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with issuance of this amendment.

For further details with respect to this action, see (1) the application for amendment dated February 28, 1983 (2) Amendment No. 79 to License No. DPR-28, and (3) the Commission's related Safety Evaluation. All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, N. W. Washington, D.C., and at the Brooks Memorial Library, 224 Main Street, Brattleboro, Vermont 05301. A copy of items (2) and (3) may be obtained upon request addressed to the U.S. Nuclear Regulatory Commission, Washington, D.C. 20555, Attention: Director, Division of Licensing.

Dated at Bethesda, Maryland this 2nd day of May 1983.

FOR THE NUCLEAR REGULATORY COMMISSION


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