

Docket No.: 50-271

**FEB. 25 1976**

Yankee Atomic Electric Company  
ATTN: Mr. Robert H. Groce  
Licensing Engineer  
20 Turnpike Road  
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Gentlemen:

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JRBuchanan, NSIC

The Commission has issued the enclosed Amendment No. 19 to Facility Operating License No. DPR-28 for the Vermont Yankee Nuclear Power Station. The amendment consists of changes to the Technical Specifications in response to your application dated September 23, 1975.

This amendment revises the definition of "Surveillance Frequency" in the Technical Specifications to increase the interval for instrumentation and electrical surveillance from 15 to 18 months.

Please note that we have discontinued the use of separate identifying numbers for changes to technical specifications. Sequential amendment numbers will be continued as in the past.

Copies of the Safety Evaluation and the Federal Register Notice are also enclosed.

Sincerely,

*Original Signed by*

Robert W. Reid, Chief  
Operating Reactors Branch #4  
Division of Operating Reactors

**Enclosures:**

- 1. Amendment No. 19
- 2. Safety Evaluation
- 3. Federal Register Notice

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OFFICE	ORB #4 <i>RI</i>	ORB #4 <i>PDB</i>	OELD <i>RI</i>	C-ORB#4: DOR
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DATE	1/30/76	1/30/76	2/24/76	2/25/76

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cc w/enclosures and copy of  
VY's filing dtd. 9/23/75

Mr. Martin K. Miller, Chairman  
State of Vermont  
Public Service Board  
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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. 19  
License No. DPR-28

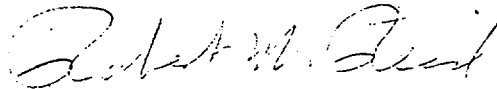
1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Vermont Yankee Nuclear Power Corporation (the licensee) dated September 23, 1975, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the 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. An environmental statement or negative declaration need not be prepared in connection with the issuance of this amendment.
2. Accordingly, the license is amended by a change to the Technical Specifications as indicated in the attachment to this license amendment and Paragraph 3.B of Facility License No. DPR-28 is hereby amended to read as follows:

"B. Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications."

3. This license amendment becomes effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Robert W. Reid, Chief  
Operating Reactors Branch #4  
Division of Operating Reactors

Attachment:  
Changes to the  
Technical Specifications

Date of Issuance: FEB. 25 1976

ATTACHMENT TO LICENSE AMENDMENT NO. 19

FACILITY OPERATING LICENSE NO. DPR-28

DOCKET NO. 50-271

Remove page 4 from the Appendix A Technical Specifications and insert the attached replacement page.

The changed area on the revised page is shown by a marginal line.

VYNPS

- W. Shutdown - The reactor is in a shutdown condition when the reactor mode switch is in the shutdown mode position and no core alterations are being performed. When the mode switch is placed in the shutdown position a reactor scram is initiated, power to the control rod drives is removed, and the reactor protection system trip systems are de-energized.
1. Hot Shutdown means conditions as above with reactor coolant temperature greater than 212°F.
  2. Cold Shutdown means condition as above with reactor coolant temperature equal to or less than 212°F.
  3. Shutdown means conditions as above such that the effective multiplication factor ( $k_{eff}$ ) of the core shall be less than 0.99.
- X. Simulated Automatic Actuation - Simulated automatic actuation means applying a simulated signal to the sensor to actuate circuit in question.
- Y. Transition Boiling - Transition boiling means the boiling regime between nucleate and film boiling. Transition boiling is the regime in which both nucleate and film boiling occur intermittently with neither type being completely stable.
- Z. Surveillance Frequency - Unless otherwise stated in these specifications, periodic surveillance tests, checks, calibrations, and examinations shall be performed within the specified surveillance intervals. These intervals may be adjusted plus 25%. The total maximum combined interval time for any three consecutive tests shall not exceed 3.25 times the specified interval. The operating cycle interval as pertaining to instrument and electric surveillance shall never exceed 18 months.
- AA. Surveillance Interval - The surveillance interval is the calendar time between surveillance tests, checks, calibrations, and examinations to be performed upon an instrument or component when it is required to be operable. These tests unless otherwise stated in these specifications may be waived when the instrument, component, or system is not required to be operable, but these tests shall be performed on the instrument, component, or system prior to being required to be operable.

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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
SUPPORTING AMENDMENT NO. 19 TO FACILITY OPERATING LICENSE DPR-28

VERMONT YANKEE NUCLEAR POWER CORPORATION

VERMONT YANKEE NUCLEAR POWER STATION

DOCKET NO. 50-271

Introduction

By letter dated September 23, 1975, Vermont Yankee Nuclear Power Corporation (the licensee) requested an amendment to Facility Operating License No. DPR-28 for Vermont Yankee Nuclear Power Station (the facility). The proposed amendment requested approval of a revision to the "Surveillance Frequency" definition in Section 1.0, Paragraph Z of the Technical Specifications.

Discussion

Presently, the "Surveillance Frequency" definition requires that "the operating cycle interval as pertaining to instrument and electrical surveillance shall never exceed 15 months." The proposed amendment would revise this to read ". . . shall never exceed 18 months." The licensee's basis for this change is that increasing the surveillance interval to 18 months provides a frequency that is more compatible with the fuel cycle.

Current Technical Specifications permit surveillance intervals to be adjusted plus or minus 25% of the specified test interval to allow flexibility for normal scheduling of plant outages or to establish other prerequisite conditions necessary for conducting the required surveillance. To provide a greater degree of flexibility, we have altered the tolerances of the proposed change to reflect plus 25% instead of plus or minus 25%. This will remove the ambiguity that existed in that testing may now be performed prior to 75% of the test interval previously required. We have also revised the proposed change to clarify the flexibility of the surveillance interval. The change requires that the total maximum combined interval for any three consecutive tests not exceed 3.25 times the specified interval. The 25% tolerance is not applicable to the operating cycle interval as pertaining to instrument and electrical surveillance. The instrument and electrical surveillance interval shall never exceed 18 months. These changes are consistent with the standard Technical Specifications currently being issued to new facilities. The licensee agrees with the changes made to the September 23, 1975 submittal.

### Evaluation

The proposed change increases the surveillance interval for instrumentation and electrical surveillance from 15 to 18 months. This interval is consistent with current practice, and the change in probability of an accident resulting from the slight increase in surveillance interval is not significant. Therefore, we conclude this change to be acceptable. As discussed above the other changes were made for clarity and standardization purposes, none of which alter the intent of the specification, and are therefore acceptable.

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 statement, negative declaration, or 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 change does not involve a significant increase in the probability or consequences of accidents previously considered and does not involve a significant decrease in a safety margin, the change 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: FEB. 25 1976



UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NO. 50-271

VERMONT YANKEE NUCLEAR POWER CORPORATION

NOTICE OF ISSUANCE OF AMENDMENT TO FACILITY  
OPERATING LICENSE

Notice is hereby given that the U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 19' 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, located near Vernon, Vermont. The amendment is effective as of its date of issuance.

The amendment revises the definition of "Surveillance Frequency" in the Technical Specifications to increase the interval for instrumentation and electrical surveillance from 15 to 18 months.

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 is not required since the amendment does not involve a significant hazards consideration.

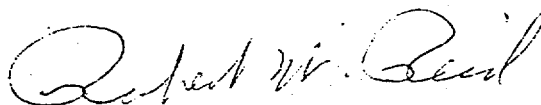
The Commission has determined that the issuance of this amendment will not result in any significant environmental impact and that pursuant to 10 CFR §51.5(d)(4) an environmental statement, negative declaration or environmental impact appraisal need not be prepared in connection with issuance of this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

For further details with respect to this action, see (1) the application for amendment dated September 23, 1975, (2) Amendment No. 19 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.

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 Operating Reactors.

Dated at Bethesda, Maryland, this 25th day of February, 1976.

FOR THE NUCLEAR REGULATORY COMMISSION



Robert W. Reid, Chief  
Operating Reactors Branch #4  
Division of Operating Reactors