

VERMONT YANKEE NUCLEAR POWER CORPORATION

SEVENTY SEVEN GROVE STREET
RUTLAND, VERMONT 05701

2.C.15.1
FVY 81-178

REPLY TO:
ENGINEERING OFFICE

1671 WORCESTER ROAD
FRAMINGHAM, MASSACHUSETTS 01701
TELEPHONE 617-872-8100

December 29, 1981

United States Nuclear Regulatory Commission
Washington, D. C. 20555

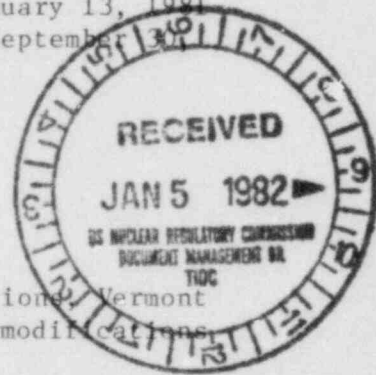
Attention: Office of Nuclear Reactor Regulation

- References:
- (a) License No. DPR-28 (Docket No. 50-271)
 - (b) Letter, USNRC to All Licensees of Operating Plants, dated October 31, 1980
 - (c) Letter, VYNPC to USNRC, WVY 80-170, dated December 15, 1980
 - (d) Letter, VYNPC to USNRC, FVY 81-9, dated January 13, 1981
 - (e) Letter, USNRC to R.L. Smith, VYNPC, dated September 1981

Subject: High Range Noble Gas Effluent Monitor

Dear Sir:

Pursuant to Section 50.59 of the Commission's Rules and Regulations, Vermont Yankee Nuclear Power Corporation hereby proposes the following modifications to Appendix A of the Operating License.



Proposed Change:

Replace Pages 49, 49a, and 60 using the attached pages. These pages provide Limiting Conditions for Operation and Surveillance Requirements to reflect the installation of a high range noble gas effluent monitor.

Reason for Change:

The installation of a high range noble gas effluent monitor will provide increased capability for continuous monitoring of high-level, post-accident releases of radioactive noble gases from the plant. This installation will fulfill commitments made by Vermont Yankee in References (c) and (d) in response to Reference (b).

Basis for Change:

The intent of this change is to provide a standard for the availability of the high range noble gas monitoring system.

Safety Considerations:

The objective of the high range noble gas monitoring system is to provide an accurate determination of the quantity of radioactive gases released through the plant stack under post-accident conditions. Analyses have been performed to quantify the amount of gas released based on the concentration and length of the discharge.

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Failure of this system will not in any way affect the normal operation of the reactor, nor will it affect the operation of the presently installed noble gas effluent monitoring system.

For the reasons discussed above, it has been determined that the probability of previous evaluated accidents is not increased by this change, the possibility of a different type of accident is not created, nor are the margins of safety as defined in the basis of the Technical Specifications reduced by this proposed change. Therefore, this change does not constitute an unreviewed safety question as defined in 10CFR50.59(a)(2).

This submittal has been reviewed by the Vermont Yankee Nuclear Safety Audit and Review Committee.

Fee Determination:

This proposed change requires an approval that involves a single safety issue and is deemed not to involve a significant hazards consideration. For these reasons, Vermont Yankee Nuclear Power Corporation proposes this as a Class III Amendment. A payment of \$4,000.00 is enclosed.

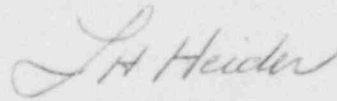
Schedule of Change:

The modification reflected by this change will be installed prior to January 1, 1982. This proposed change will be implemented as soon as practical following receipt of NRC approval.

We trust that you will find this submittal satisfactory; however, should you desire additional information, feel free to contact us.

Very truly yours,

VERMONT YANKEE NUCLEAR POWER CORPORATION

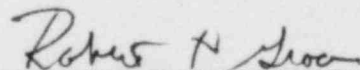


L. H. Heider
Vice President

LHH/cl

COMMONWEALTH OF MASSACHUSETTS))ss
MIDDLESEX COUNTY)

Then personally appeared before me, L. H. Heider, who, being duly sworn, did state that he is a Vice President of Vermont Yankee Nuclear Power Corporation, that he is duly authorized to execute and file the foregoing request in the name and on the behalf of Vermont Yankee Nuclear Power Corporation, and that the statements therein are true to the best of his knowledge and belief.



Robert H. Groce Notary Public
My Commission Expires September 14, 1984