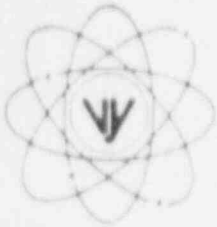


VERMONT YANKEE NUCLEAR POWER CORPORATION



Ferry Road, Brattleboro, VT 05301-7002

BVY 91-14

ENGINEERING OFFICE

580 MAIN STREET
SOLITON, MA 01740
(508) 779-8711

February 1, 1991

United States Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

Dear Sir:

Subject: Simulation Facility Certification

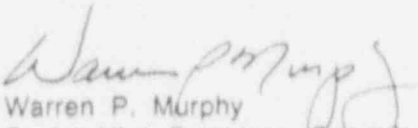
Enclosed you will find the NRC Form 474, Simulation Facility Certification, with a report and supporting reference material in accordance with 10CFR 55.45 (b)(2)(ii).

The Vermont Yankee Simulator meets the requirements of 10CFR55.45 and the guidance contained in ANSI/ANS-3.5-1985, as endorsed by NRC Regulatory Guide 1.149.

If you need clarification or amplifying information on any of the report items please do not hesitate to contact me or Mr. Alfred Chesley, Simulator Supervisor.

Very truly yours,

Vermont Yankee Nuclear Power Corporation


Warren P. Murphy
Senior Vice President, Operations

cc: W/Enclosure
Mr. Neil Hunemuller, Director
W/O Enclosure
USNRC Regional Administrator, Region I
USNRC Resident Inspector, VYNPS

RETURN ORIG TO
HUNEMULLER/N.

A005
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XA 1p.

TO: DON LANHAM

M/S P1-37

FROM: NEAL HUNEMULLER

This document apparently bypassed the document control system. Please process and return original to me (m/s 10-0-22). The cover letter was processed (accession number 9102050214). If you have any questions please call me at x23173.

Thank you,

Neal K. Hunemuller

SIMULATION FACILITY CERTIFICATION

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 120 HRS FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (MMR) 7714, U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0138), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

INSTRUCTIONS: This form is to be filed for initial certification, recertification (if required), and for any change to a simulation facility performance testing plan made after initial submittal of such a plan. Provide the following information, and check the appropriate box to indicate reason for submittal.

FACILITY: Vermont Yankee Nuclear Power Station
LICENSEE: Vermont Yankee Nuclear Power Corporation
DOCKET NUMBER: 50-271
DATE: 1730/91

This is to certify that:

1. The above named facility licensee is using a simulation facility consisting solely of a plant referenced simulator that meets the requirements of 10 CFR 55.45.
 2. Documentation is available for NRC review in accordance with 10 CFR 55.45(b).
 3. This simulation facility meets the guidance contained in ANSI/ANS 3.5, 1986, as endorsed by NRC Regulatory Guide 1.149.
- If there are any exceptions to the certification of this item, check box ☐ and describe fully on additional pages as necessary.

NAME (or other identification) AND LOCATION OF SIMULATION FACILITY

Vermont Yankee Training Center
P.O. Box 169 Ferry Road
Brattleboro, Vermont 05301

SIMULATION FACILITY PERFORMANCE TEST ABSTRACTS ATTACHED. (For performance tests conducted in the period ending with the date of this certification.)

DESCRIPTION OF PERFORMANCE TESTING COMPLETED (Attach additional page(s) as necessary, and identify the item description being continued.)

- Computer Real Time Test
 - Steady State & Normal Operation Test
 - Transient Tests
 - Malfunction Tests
 - Simulator Operating Limits Test
- For additional information see pp. 26 - 47 of this report

SIMULATION FACILITY PERFORMANCE TESTING SCHEDULE ATTACHED. (For the conduct of approximately 25% of performance tests per year for this facility period commencing with the date of this certification.)

DESCRIPTION OF PERFORMANCE TESTING TO BE CONDUCTED. (Attach additional page(s) as necessary, and identify the item description being continued.)

- Performance Testing Schedule

For additional information see pp. 48 - 49 of this report

PERFORMANCE TESTING PLAN CHANGE. (For any modification to a performance testing plan submitted on a previous certification.)

DESCRIPTION OF PERFORMANCE TESTING PLAN CHANGE (Attach additional page(s) as necessary, and identify the item description being continued.)

Not Applicable

RE-CERTIFICATION (Describe corrective actions taken, attach results of completed performance testing in accordance with 10 CFR 55.45(b)(5)(v). Attach additional page(s) as necessary, and identify the item description being continued.)

Not Applicable

Any false statement or omission in this document, including attachments, may be subject to civil and criminal sanctions. I certify under penalty of perjury that the information in this document and attachments is true and correct.

SIGNATURE - AUTHORIZED REPRESENTATIVE

TITLE

Senior Vice President, Operations
Vermont Yankee Nuclear Power Corp.

DATE

1-30-91

In accordance with 10 CFR 55.5, Communications, this form shall be submitted to the NRC as follows:

BY MAIL ADDRESSED TO: Director, Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20555

BY DELIVERY IN PERSON
TO THE NRC OFFICE AT:

One White Flint North
11550 Research Pike
Rockville, MD