

APR 21 1972

Docket No. 50-271

Vermont Yankee Nuclear Power Corp.
ATTN: Mr. Albert A. Cree
President
77 Grove Street
Rutland, Vermont 05701

Gentlemen:

Amendment No. 1 to Facility Operating License No. DFR-28 is enclosed. The amendment modifies the license to authorize Vermont Yankee Nuclear Power Corporation to receive, possess and use an additional gram of U-235 (previously authorized for storage under License No. SNM-1151), and five additional curies of americium 241 and eight sources of 1200 curies each of antimony 124 (all of which were previously authorized for storage under Byproduct Material License No. 44-13669-01).

The license is effective as of the date of issuance. However, in accordance with § 2.204 of 10 CFR, you may request a hearing with respect to all or any part of the amendment within twenty (20) days from the date of publication in the Federal Register of the Notice of Issuance, a copy of which is also enclosed.

Sincerely,

Original Signed by
Roger S. Boyd

Roger S. Boyd, Assistant Director
for Boiling Water Reactors
Division of Reactor Licensing

Enclosures:

1. Amendment No. 1 to DFR-28
2. Federal Register Notice

cc: See attached

cc w/encls:

Mr. Lawrence E. Minnick
Vice President
Vermont Yankee Nuclear Power
Corporation
Turnpike Road
Westboro, Massachusetts 01581

John A. Ritsher, Esquire
Ropes & Gray
225 Franklin Street
Boston, Massachusetts 02110

Mr. Raymond H. Puffer
Chairman
Board of Selectmen
Vernon, Vermont 05354

Honorable Walter R. Peterson, Jr.
Governor of New Hampshire
Concord, New Hampshire 03301

Mr. Forrest H. Bumford, Director
Radiation Control Agency
Division of Public Health Services
State Department of Health & Welfare
61 South Spring Street
Concord, New Hampshire 03301

Mr. Robert M. Duvall, Commissioner
Department of Labor
State House Annex
Concord, New Hampshire 03302

Mr. Edmund L. Barker, Chief Engineer
Public Utilities Commission
(Atomic Energy Coordinator)
State House Annex
Concord, New Hampshire 03302

Honorable Deane C. Davis
Governor of Vermont
Montpelier, Vermont 05601

Mr. Harry B. Ashe, Director
Industrial Hygiene Division
P. O. Box 607
Barre, Vermont 05641

Mr. Louis Lavin, Commissioner
Department of Industrial Relations
Montpelier, Vermont 05601

Alfred L. Frechette, M.D.
Commissioner of Public Health
Massachusetts Department of
Public Health
600 Washington Street
Boston, Massachusetts 02111


Mr. Craig Roberts
Environmental Protection Agency
Room 18-81, Parklawn Building
5600 Fishers Lane
Rockville, Maryland 20852

Mr. Bartlett A. Hague
Environmental Protection Agency
JFK Federal Building, Room 2303
Boston, Massachusetts 02203

Vermont Yankee Nuclear Power Corp. 3

cc w/encs: Lawrence E. Minnick
 John A. Ritscher
 Raymond H. Puffer
 Walter R. Peterson, Jr.
 Forrest H. Bumford
 Robert M. Duvall
 Edmund L. Barker
 Deane C. Davis
 Harry B. Ashe
 Louis Lavin
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 Craig Roberts
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UNITED STATES ATOMIC ENERGY COMMISSION

DOCKET NO. 50-271

VERMONT YANKEE NUCLEAR POWER CORPORATION

NOTICE OF ISSUANCE OF FACILITY OPERATING LICENSE AMENDMENT

The Atomic Energy Commission (the Commission) has issued, effective as of the date of issuance, Amendment No. 1 to Facility Operating License No. DPR-28, dated March 21, 1972. The license, as originally issued, authorized the Vermont Yankee Nuclear Power Corporation to load fuel and perform low-power testing, at power levels not to exceed 15.9 megawatts (thermal), of the Vermont Yankee Nuclear Power Station. Amendment No. 1 modifies the license to authorize the receipt, possession and use of (1) an additional gram of U-235 (previously authorized for storage under License No. SNM-1151) as fission detectors for use in the reactor instrumentation system and (2) five additional curies of americium 241 as a sealed source and eight sources of 1200 curies each of antimony 124 as sealed sources (all of which were previously authorized for storage under Byproduct Material License No. 44-13669-01).

The Commission has found that the amendment complies with the requirements of the Atomic Energy Act of 1954, as amended (the Act) and of the rules and regulations of the Commission and that the public health, safety and interest require that the amendment be made effective immediately.

Within twenty (20) days from the date of publication of the notice in the FEDERAL REGISTER, the applicant may file a request for a hearing and any person whose interest may be affected by the issuance may file a petition for leave to intervene. Requests for a hearing and petitions to intervene shall be filed in accordance with the Commission's "Rules

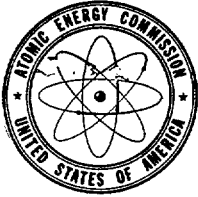
of Practice" in 10 CFR Part 2. If a request for a hearing or a petition for leave to intervene is filed within the time prescribed in this notice, the Commission will issue a notice of hearing or appropriate order.

Dated at Bethesda, Maryland, this 21st day of April, 1972.

FOR THE ATOMIC ENERGY COMMISSION

A handwritten signature in dark ink, appearing to read "Roger S. Boyd", is written over the typed name.

Roger S. Boyd, Assistant Director
for Boiling Water Reactors
Division of Reactor Licensing



UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON, D.C. 20545

Vermont Yankee Nuclear Power Corporation

Docket No. 50-271

Facility Operating License Amendment

(Vermont Yankee Nuclear Power Station)

License No. DPR-28
Amendment No. 1

The Atomic Energy Commission (the Commission) having found that:

- A. The application for license, dated December 31, 1969, complies with the requirements of the Atomic Energy Act of 1954, as amended, and the rules and regulations of the Commission;
- B. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public;
- C. Prior public notice of proposed issuance of this amendment is not required since the amendment does not involve significant hazard considerations different from those previously evaluated; and
- D. The public health, safety and interest require that this amendment be made effective immediately.

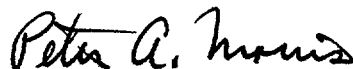
Accordingly, Facility Operating License No. DPR-28 issued to Vermont Yankee Nuclear Power Corporation is hereby amended by revising paragraphs 2B and 2C thereof in their entirety to read:

- B. Pursuant to the Act and 10 CFR Part 70, "Special Nuclear Material", to receive, possess, and use at any one time up to 1800 kilograms of U-235 contained in reactor fuel assemblies, and up to ten individual fuel rods; 16 grams of plutonium encapsulated as Pu-Be-Neutron source assemblies; and 140 grams of U-235 contained in aluminum-clad elements, and 1 gram of U-235 as fission detectors for use in the reactor instrumentation system, all in connection with operation of the facility.
- C. Pursuant to the Act and 10 CFR Part 30, "Rules of General Applicability to Licensing of Byproduct Material", to receive, possess, and use in connection with operation of the facility any byproduct material with Atomic numbers between 3 and 83, inclusive in any form with no nuclide to exceed 2 millicuries; 50 curies of cesium 137, 25 millicuries of cobalt 60 both as sealed sources; 100 microcuries of

strontium 90 as sealed instrument check sources, each source not to exceed 5 microcuries; 6 curies of americium 241 as sealed sources; eight sources of 1200 curies each of antimony 124 as sealed sources; and 1 curie of krypton 85 as gas.

This amendment is effective as of the date of issuance.

FOR THE ATOMIC ENERGY COMMISSION



Peter A. Morris, Director
Division of Reactor Licensing

Date of Issuance: **APR 21 1972**