

August 17, 1995

Mr. Donald A. Reid  
Vice President, Operations  
Vermont Yankee Nuclear Power Corporation  
Ferry Road  
Brattleboro, VT 05301

SUBJECT: VERMONT YANKEE NUCLEAR POWER STATION (TAC NO. M92813)

Dear Mr. Reid:

Enclosed is a copy of the Notice of Environmental Assessment and Finding of No Significant Impact related to your application dated June 29, 1995, for one new exemption and revocation of an existing exemption from emergency lighting requirements of Appendix R to 10 CFR Part 50 for the Vermont Yankee Nuclear Power Station.

The assessment is being forwarded to the Office of the Federal Register for publication.

Sincerely,

Original signed by:

Daniel H. Dorman, Project Manager  
Project Directorate I-3  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Docket No. 50-271

Enclosure: Environmental Assessment

cc w/encl: See next page

Distribution:

Docket File  
PUBLIC  
PD I-3 Plant  
SVarga  
PMcKee  
OGC  
ACRS (4)  
JLinville, RI  
SNorris (2)  
DDorman

DOCUMENT NAME: G:\DORMAN\VYM92813.EA

OFFICE	LA:PDI-3	PM:PDI-3	D:PDI-3	OGC
NAME	SNorris <i>[Signature]</i>	DDorman:cn <i>[Signature]</i>	PMcKee <i>[Signature]</i>	<i>[Signature]</i>
DATE	08/2/95	08/2/95	08/2/95	08/8/95

OFFICIAL RECORD COPY

9508230022 950817  
PDR ADOCK 05000271  
P PDR

NRC FILE CENTER COPY

*CP-1*  
*[Handwritten initials]*



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

August 17, 1995

Mr. Donald A. Reid  
Vice President, Operations  
Vermont Yankee Nuclear Power Corporation  
Ferry Road  
Brattleboro, VT 05301

SUBJECT: VERMONT YANKEE NUCLEAR POWER STATION (TAC NO. M92813)

Dear Mr. Reid:

Enclosed is a copy of the Notice of Environmental Assessment and Finding of No Significant Impact related to your application dated June 29, 1995, for one new exemption and revocation of an existing exemption from emergency lighting requirements of Appendix R to 10 CFR Part 50 for the Vermont Yankee Nuclear Power Station.

The assessment is being forwarded to the Office of the Federal Register for publication.

Sincerely,

A handwritten signature in cursive script that reads "Daniel H. Dorman".

Daniel H. Dorman, Project Manager  
Project Directorate I-3  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Docket No. 50-271

Enclosure: Environmental Assessment

cc w/encl: See next page

D. Reid  
Vermont Yankee Nuclear Power Company

Vermont Yankee Nuclear Power Station

cc:

Mr. Jay Thayer, Vice President  
Yankee Atomic Electric Corporation  
p580 Main Street  
Bolton, MA 01740-1398

G. Dana Bisbee, Esq.  
Deputy Attorney General  
33 Capitol Street  
Concord, NH 03301-6937

Regional Administrator, Region I  
U. S. Nuclear Regulatory Commission  
475 Allendale Road  
King of Prussia, PA 19406

Resident Inspector  
Vermont Yankee Nuclear Power Station  
U.S. Nuclear Regulatory Commission  
P.O. Box 176  
Vernon, VT 05354

R. K. Gad, III  
Ropes & Gray  
One International Place  
Boston, MA 02110-2624

Chief, Safety Unit  
Office of the Attorney General  
One Ashburton Place, 19th Floor  
Boston, MA 02108

Mr. Richard P. Sedano, Commissioner  
Vermont Department of Public Service  
120 State Street, 3rd Floor  
Montpelier, VT 05602

Mr. David Rodham, Director  
ATTN: James Muckerheide  
Massachusetts Civil Defense Agency  
400 Worcester Rd.  
P.O. Box 1496  
Framingham, MA 01701-0317

Public Service Board  
State of Vermont  
120 State Street  
Montpelier, VT 05602

Mr. Raymond N. McCandless  
Vermont Division of Occupational  
and Radiological Health  
Administration Building  
Montpelier, VT 05602

Chairman, Board of Selectmen  
Town of Vernon  
P.O. Box 116  
Vernon, VT 05354-0116

Mr. J. P. Pelletier, Vice President  
Vermont Yankee Nuclear Power  
Corporation  
Ferry Road  
Brattleboro, VT 05301

Mr. J. J. Duffy  
Licensing Engineer  
Vermont Yankee Nuclear Power  
Corporation  
580 Main Street  
Bolton, MA 01740-1398

Mr. Robert J. Wanczyk, Plant Manager  
Vermont Yankee Nuclear Power Station  
P.O. Box 157, Governor Hunt Road  
Vernon, VT 05354

Betsy Higgins Congram  
Environmental Review Coordinator  
John F. Kennedy Federal Building  
Room 2203  
Boston, MA 02203

UNITED STATES NUCLEAR REGULATORY COMMISSION  
VERMONT YANKEE NUCLEAR POWER CORPORATION  
DOCKET NO. 50-271  
VERMONT YANKEE NUCLEAR POWER STATION  
ENVIRONMENTAL ASSESSMENT AND FINDING OF  
NO SIGNIFICANT IMPACT

The U.S. Nuclear Regulatory Commission (the Commission) is considering issuance of an exemption and revocation of an exemption from Facility Operating License No. DPR-28, issued to Vermont Yankee Nuclear Power Corporation (the licensee), for operation of the Vermont Yankee Nuclear Power Station (the facility) located in Windham County, Vermont.

ENVIRONMENTAL ASSESSMENT

Identification of Proposed Actions:

The proposed exemption would grant relief in certain outdoor areas of the protected area of the facility to allow use of security lighting for outdoor access and egress and the performance of one specified task for compliance with Section III.J of Appendix R to 10 CFR Part 50. The exemption would include outdoor portions of the protected area for access and egress and for hookup of a portable fuel oil transfer pump.

The proposed exemption is in accordance with the licensee's application for exemption dated June 29, 1995.

The exemption proposed for revocation related to emergency lighting requirements in the Reactor Building. The exemption was issued June 26, 1989, and is no longer needed by the licensee because conforming emergency lighting has been installed in the affected area.

The Need for the Proposed Actions:

The proposed exemption is needed because the features described in the licensee's request regarding existing security lighting at the facility are the most practical method for satisfying the underlying purpose of Appendix R and literal compliance with the regulation would not further enhance the fire protection capability significantly.

Revocation of the 1989 exemption is needed to accurately reflect actual plant conditions, given conforming lighting has been installed in the affected areas.

Environmental Impacts of the Proposed Actions:

The Commission has completed its evaluation of the proposed exemption and revocation of exemption and concludes that the proposed exemption and revocation will provide a degree of fire protection such that there is no increase in the risk of fires at the facility. Consequently, the probability of fires has not been increased and the post-fire radiological releases will not be greater than previously determined, nor do the proposed exemption and revocation otherwise affect radiological plant effluents.

The change will not increase the probability or consequences of accidents, no changes are being made in the types of any effluents that may be released offsite, and there is no significant increase in the allowable individual or cumulative occupational radiation exposure. Accordingly, the Commission concludes that there are no significant radiological environmental impacts associated with the proposed actions.

With regard to potential nonradiological impacts, the proposed actions involve features located entirely within the restricted area as defined in 10 CFR Part 20. They do not affect nonradiological plant effluents and have

no other environmental impact. Accordingly, the Commission concludes that there are no significant nonradiological environmental impacts associated with the proposed actions.

Alternatives to the Proposed Actions:

Since the Commission has concluded there is no measurable environmental impact associated with the proposed actions, any alternatives with equal or greater environmental impact need not be evaluated. As an alternative to the proposed actions, the staff considered denial of the proposed actions. Denial of the application would result in no change in current environmental impacts. The environmental impacts of the proposed actions and the alternative action are similar.

Alternative Use of Resources:

These actions do not involve use of resources not previously considered in the Final Environmental Statement for the Vermont Yankee Nuclear Power Station.

Agencies and Persons Consulted:

In accordance with its stated policy, on July 21, 1995, the staff consulted with the Vermont State official, Mr. William K. Sherman of the Vermont Department of Public Service, regarding the environmental impact of the proposed actions. The State official had no comments.

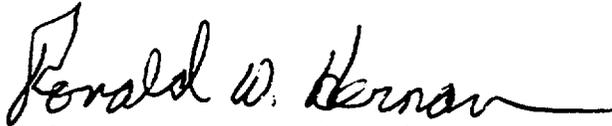
FINDING OF NO SIGNIFICANT IMPACT

Based upon the environmental assessment, the Commission concludes that the proposed actions will not have a significant effect on the quality of the human environment. Accordingly, the Commission has determined not to prepare an environmental impact statement for the proposed exemption and revocation of exemption.

For further details with respect to the proposed actions, see the application dated June 29, 1995, which is available for public inspection at the Commission's Public Document Room, The Gelman Building, 2120 L Street, NW., Washington, DC, and at the local public document room located at the Brooks Memorial Library, 224 Main Street, Brattleboro, VT 05301.

Dated at Rockville, Maryland this 17th day of August 1995.

FOR THE NUCLEAR REGULATORY COMMISSION

A handwritten signature in cursive script, reading "Ronald W. Hernan". The signature is written in black ink and is positioned above the typed name and title.

Ronald W. Hernan, Acting Director  
Project Directorate I-3  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation