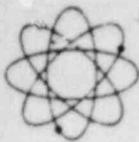


TEEA



VERMONT YANKEE NUCLEAR POWER CORPORATION

SEVENTY SEVEN GROVE STREET
RUTLAND, VERMONT 05701

B.4.2.1

REPLY TO:
ENGINEERING OFFICE
TURNPIKE ROAD
WESTBORO, MASSACHUSETTS 01581
TELEPHONE 617-366-9011

WVY 79-10

February 5, 1979

United States Nuclear Regulatory Commission
Office of Inspection and Enforcement
Region I
631 Park Avenue
King of Prussia, Pennsylvania 19406

Attention: Boyce H. Grier, Director

References: (a) License No. DPR-28 (Docket No. 50-271)
(b) USNRC Inspection and Enforcement letter dated
December 19, 1978, Bulletin No. 78-14

Dear Sir:

Subject: Buna-N Components in ASCO Solenoids

Reference (b) requested Vermont Yankee to review Buna-N application in the control rod scram system and provide information pertaining to the time since installation and for installed material, the time since packaging, schedule for replacement (if necessary), and the schedule for future periodic maintenance.

The Scram Pilot Valves are inspected each refueling outage. In September, 1976, all body gaskets (O-rings) were replaced and 44 of 89 sets of exhaust and pressure diaphragms were replaced. The remaining 45 sets were replaced in October, 1977. In October, 1978, six of these valves had their solenoid core assemblies removed and the subject Buna-N discs showed no evidence of degradation. Three of these valves were reassembled with new core assemblies. The remaining 86 solenoid core assembly discs were installed approximately in 1970 during original plant construction.

The above replacement parts were supplied through General Electric Company and no curing or packaging information (dates) is available. Spares presently in stock exhibit no dates of packaging. The replaced parts were, however, purchased not more than one year prior to installation.

The Backup Scram Valves and the Scram Discharge Volume Vent and Drain Pilot valves are included in a preventative maintenance program which requires inspection and rebuilding of these valves as necessary. Due to the nature of the checklists, the specific replaced parts information for each valve is not retrievable. The preventative maintenance procedure will be modified to include space for the repair date and the packaging date of repair kit parts if available.

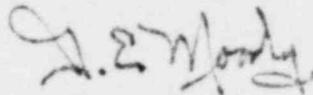
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All valves discussed in this letter will be overhauled during the next refueling outage as required to satisfy the recommended criteria for the Buna-N components. The lifetime before replacement of these parts will be seven years based upon correspondence and recommendations from the supplier, and on-site inspections of the valves and observed conditions of the Buna-N components.

We trust that you will find this information satisfactory; however, should you desire additional information, please contact us.

Very truly yours,

VERMONT YANKEE NUCLEAR POWER CORPORATION



D. E. Moody
Manager of Operations

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