

VERMONT YANKEE NUCLEAR POWER CORPORATION

SEVENTY SEVEN GROVE STREET
RUTLAND, VERMONT 05701

B.3.2.1
WVY 80-130

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

September 19, 1980

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

Attention: Office of Nuclear Reactor Regulation
Thomas A. Ippolito, Chief
Operating Reactors Branch #2
Division of Licensing

References: (a) License No. DPR-28 (Docket No. 50-271)
(b) USNRC Letter to R. L. Smith from T. A. Ippolito,
dated February 20, 1980, Subject: Supplemental
Safety Evaluation
(c) VYNPC Letter (WVY 80-43) to T. A. Ippolito from
W. F. Conway, dated March 14, 1980, Subject:
Supplemental Safety Evaluation

Dear Sir:

SUBJECT: Primary Containment Analysis

Reference (c) above indicated we would provide you with a commitment to one of the acceptable alternatives for protection of the Reactor Recirculation Pump Lubrication System. The alternative we have chosen incorporates an oil collection system which is designed to withstand a Category I seismic event and continue to be able to collect and drain leakage that may occur during that event. A description of the system follows:

The General Electric motors used on the Vermont Yankee reactor recirculation pumps are of a bath type (unpressurized) design. The only piping that is external to the motor is a fill and drain connection for each bearing. The only potential for oil leakage would be as a result of an oil cooler rupture which would leak water into the oil and overflow the oil bath reservoir down the armature onto the pump. We will provide an overflow collection system at each oil bath reservoir, sized to handle the flow from a ruptured oil cooler. We will collect the overflow and deposit it in a closed, vented container. The collection system will be designed to withstand Category I seismic events.

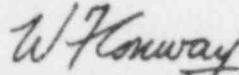
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We trust that this responds to the staff concerns expressed in Reference (b) above and will proceed with the design immediately.

Very truly yours,

VERMONT YANKEE NUCLEAR POWER CORPORATION



William F. Conway
Vice President and
Manager of Operations

DCG/jh