



VERMONT YANKEE NUCLEAR POWER CORPORATION

SEVENTY SEVEN GROVE STREET
RUTLAND, VERMONT 05701

2.C.2.1
FVY 82-68

REPLY TO:
ENGINEERING OFFICE
1671 WORCESTER ROAD
FRAMINGHAM, MASSACHUSETTS 01701
TELEPHONE 617-872-8100

June 8, 1982

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

Attention: Office of Nuclear Reactor Regulation
Mr. Dominic B. Vassallo, Chief
Operating Reactors, Branch #2
Division of Licensing

References: (a) License No. DPR-28 (Docket No. 50-271)
(b) Letter, VYNPC to USNRC, FVY 82-56, dated May 19, 1982

Subject: Degraded Grid Undervoltage

Dear Sir:

The purpose of this letter is to forward the attached additional information as requested during a telecon held on May 26, 1982. This information was requested to supplement information submitted to you in Reference (b).

We trust that this information is acceptable; however, should you have further questions, please contact us.

Very truly yours,

J. B. Sinclair
Licensing Engineer

JBS/klp

Enclosure

8206150105 820608
PDR ADOCK 05000271
P PDR

A001
5

EQUIPMENT, SUPPORT SYSTEMS AND INSTRUMENTATION
REQUIRED TO ACHIEVE AND MAINTAIN HOT SHUTDOWN

RCIC Steam	- Steam Turbine, DC Governor, Instrument AC to Flow Controller
RCIC Valves	- DC
Instrumentation-	
RV Level Indication	Instrument AC
Reactor Pressure	
CST Level	
Torus Level	
Torus Temperature	
RCIC System Flow	
RCIC Pump Discharge Pressure	
RCIC Turbine Speed	
* RHR Pumps (Mechanical)	Not Normally Running
* RHR Motors	
* RHR Motor Breakers	
RHR System Valves	
* RHR Service Water Pumps (Mechanical)	
* RHR Service Water Motors	Normally running, but Alternate Cooling System (deep basin) could be used instead.
* RHR Service Water Motor Breakers	
* Service Water Pumps (Mechanical)	
* Service Water Motors	Not normally running
* Service Water Motor Breakers	
RRU's as Required	
Diesel Generator	
Diesel Generator Breakers	
Diesel Room Fan	
Fuel Oil Transfer Pump	
Control Rod Drive System & switch mode	- For shutdown, scram is on loss of power.

*Needed for cold shutdown