



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

July 24, 1979

Docket No. 50-213

Mr. W. G. Council, Vice President  
Nuclear Engineering and Operations  
Connecticut Yankee Atomic Power Company  
Post Office Box 270  
Hartford, Connecticut 06101

Dear Mr. Council:

We are continuing our review of your July 21, 1977 submittal related to the generic issue of onsite power systems and have found that additional information is needed to continue our review. To maintain our review schedule we request your reply within 45 days of the date of this letter.

Sincerely,

A handwritten signature in cursive script that reads "Dennis L. Ziemann".

Dennis L. Ziemann, Chief  
Operating Reactors Branch #2  
Division of Operating Reactors

Enclosure:  
Request for Additional  
Information

cc w/enclosure:  
See next page

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Mr. W. G. Council

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cc  
Day, Berry & Howard  
Counselors at Law  
One Constitution Plaza  
Hartford, Connecticut 06103

Superintendent  
Haddam Neck Plant  
RFD #1  
Post Office Box 127E  
East Hampton, Connecticut 06424

Mr. James R. Himmelwright  
Northeast Utilities Service Company  
P. O. Box 270  
Hartford, Connecticut 06101

Russell Library  
119 Broad Street  
Middletown, Connecticut 06457

928 175

REQUEST FOR ADDITIONAL INFORMATIONHADDAM NECKDEGRADED GRID VOLTAGE

1. Our position (i.e., of our letter of June 3, 1977) is that the voltage monitors shall be designed to satisfy the requirements of IEEE Std. 279-1971, "Criteria for Protection Systems for Nuclear Power Generating Station." State your compliance with this position and include sufficient description for us to verify compliance of your design.
2. CYAPCo letter dated July 21, 1977, states that the second level of voltage protection will only initiate the disconnection of the offsite power source when:
  1. the voltage level is below the setpoint of 3871 volts;
  2. the time delay of  $9 \pm 1$  seconds has timed out; and
  3. an accident signal is present.

It was also stated that operator action would be required to protect certain ESF loads (from degraded voltage) when an accident signal is not present. Our position (i.e., of our letter of June 3, 1977) is that the voltage monitors shall automatically initiate the disconnection of offsite power sources whenever the voltage set point and time delay limits have been exceeded. We request that you propose a design description and schedule for installation of a modification to conform to our position and eliminate the need for operator action.

3. Clarify the discrepancy in the two statements in your proposed Technical Specifications change regarding equipment capability-that of operating without damage at 3660 volts for 4 hours and that of the second level voltage protection set point of 3871 volts for 9 seconds.