

February 9, 1983

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Docket No. 50-245
LS05-83-02-022

Mr. W. G. Council, Senior Vice President
Nuclear Engineering and Operations
Northeast Nuclear Energy Company
Post Office Box 270
Hartford, Connecticut 06101

Dear Mr. Council:

SUBJECT: MILLSTONE UNIT NO. 1 - RPS POWER SUPPLY MODIFICATION

We are continuing our review of the captioned matter and have determined that additional information is needed before we can complete our review. Therefore, you are requested to respond to the enclosed request within 45 days of your receipt of this letter. Note that this request was telecopied to you on January 19, 1983.

The reporting and/or recordkeeping requirements contained in this letter affect fewer than ten respondents; therefore, OMB clearance is not required under P.L. 96-511.

Sincerely,

Original signed by/

Dennis M. Crutchfield, Chief
Operating Reactors Branch #5
Division of Licensing

Enclosure:
As stated

cc w/enclosure:
See next page

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Mr. W. G. Council

- 2 -

February 9, 1983

cc

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Office of Policy & Management
ATTN: Under Secretary Energy
Division
80 Washington Street
Hartford, Connecticut 06115

Request for Additional Information

MILLSTONE 1

Monitoring of Electric Power to the Reactor Protection System (RPS)

- Ref. 1. NU letter (W. G. Council) to NRC (D. M. Crutchfield), dated August 18, 1982
2. Advance copy of proposed technical specification changes to J. Van Vliet dated October 29, 1982

A review of Reference 1 has found several items still requiring additional information in order to complete this issue and are as follows:

- (1) What is the nominal voltage and frequency at the input to the EPA's on which the setpoints are based. Verify this voltage to ensure GE required RPS component terminal voltage of $115 \pm 2V$.
- (2) Specify the selected operating time of the U.V., O.V. and U.F. relays. Include an additional 5.1 seconds time delay as indicated on drawing no. 25202-30031 of reference 1. Verify from the RPS component data that the total time associated with each of the three trips is acceptable. The acceptable setpoint should ensure adequate protection of all RPS components such as scram solenoid valve. The proposed changes to the technical specification should include the time delays associated with each of the three trips.
- (3) Submit verification that the design and installation of the EPA's (including relay control power, independence, etc.) meet all the requirements of GDC 2, GDC 21, IEEE 279-1971, and IEEE 384-1974.
- (4) Provide the procedures for testing the design modifications after the installation to ensure that acceptable voltages and frequency are present at the terminals of the RPS components such as the scram discharge solenoid valve.