



Public Service of New Hampshire

SEABROOK STATION
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(617) - 872 - 8100

September 8, 1983
SBN- 561
T.F. 17.1.2

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

Attention: Mr. George W. Knighton, Chief
Licensing Branch No. 3
Division of Licensing

References: (a) Construction Permits CPPR-135 and CPPR-136, Docket
Nos. 50-443 and 50-444

Subject: Revised Response to RAI 640.55 (Procedure and Test Review
Branch)

Dear Sir:

We have enclosed a revised response to the subject Request for Additional
Information (640.55).

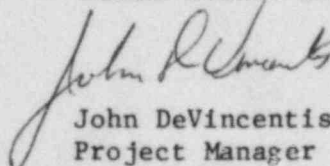
The original response to RAI 640.55, which is currently included in FSAR
Volume 15, commits to a loss of turbine generator and off-site power test when
returning to power (10% to 20% power range) following the unit trip from 100%
power.

The enclosed revised response to RAI 640.55 maintains the commitment that
the test will be conducted when the generator output range is between 10% and
20%; however, it retracts the commitment to conduct the test during the return
to power following the unit trip from 100% power. This position is consistent
with Regulatory Guide 1.68, Revision 2.

The enclosed revised response will be included in a future amendment to
the OL Application.

Very truly yours,

YANKEE ATOMIC ELECTRIC COMPANY


John DeVincentis
Project Manager

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PDR ADOCK 05000443
A PDR

ALL/pf

Enclosure

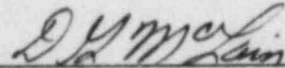
cc: Atomic Safety and Licensing Board Service List

MEMORANDUM

TO J. DeVincentis YAEC Framingham July 26, 1983
COMPANY OR LOCATION DATE
FROM D.G. McLain YAE108 STD 83-196
COMPANY OR LOCATION FILE
SUBJECT Revision to RAI 640.55

Our response to RAI 640.55 stated that the loss of turbine-generator and offsite power test (Regulatory Guide 1.68 Rev. 2 (item 5.j.j)) would be conducting when returning to power (10-20% power range) following the unit trip from 100% power.

It is not required that this test be performed subsequent to the unit trip from 100% power. To provide more scheduling flexibility please amend the RAI response to delete this requirement as shown in the attached.



D.G. McLain, Manager
Startup Test Department

640.55

The loss of turbine-generator and offsite power test should be initiated from a sufficient power level and should be maintained for a period of time sufficient to demonstrate that the necessary equipment, controls, and instrumentation are available following station blackout to remove decay heat from the core using only emergency power supplies. It is our position that you initiate this test from at least 100% generator output and maintain the loss of offsite power for at least 30 minutes in order to demonstrate this.

RESPONSE:

Regulatory Guide 1.68 Rev. 2 (item 5.j.j.) shows the approximate range for the loss of turbine-generator coincident with loss of offsite power to be 10 to 20%. At Seabrook, this test will be done at approximately this range. ~~during the return to power following the unit trip from 100% power.~~ The loss of offsite power will be maintained for 30 minutes.

delete →

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