



September 29, 1986

Public Service of New Hampshire

SBN- 1205  
T.F. B7.1.2

NEW HAMPSHIRE YANKEE DIVISION

United States Nuclear Regulatory Commission  
Washington, DC 20555

Attention: Mr. Vincent S. Noonan, Project Director  
PWR Project Directorate No. 5

References: (a) Construction Permits CPPR-135 and CPPR-136, Docket  
Nos. 50-443 and 50-444  
(b) PSNH Letter (SBN-1002), dated April 11, 1986,  
"Diesel Generator Operation at No Load, SSER Sections  
8.3.1.2.8 and 9.5.4.1", W. P. Johnson to V. S. Noonan  
(c) PSNH Letter (SBN-903), dated November 27, 1985,  
"Resolution of Power System Branch Confirmatory Items",  
J. DeVincentis to G. W. Knighton

Subject: Diesel Generator No Load Operation, SSER Sections 8.3.1.2.8  
and 9.5.4.1

Dear Sir:

Reference (b) documented that Seabrook's diesel generators could operate at no-load for up to 24 hours with no effect on diesel generator output or operation under load. SSER Supplement 4, Section 9.5.4.1, documents acceptability of this information.

Reference (c) provided the results of a six-hour no-load factory test on the diesel generator. SSER Supplement 4, Section 8.3.2.1.8, documents the acceptability of these test results.

SSER Supplement 4, Section 8.3.1.2.8, documented that the Staff still needed to review the results of the Diesel Generator Preoperational Testing with respect to no-load operation. The no-load diesel generator test was conducted as part of Preoperational Test No. PT-33.2, "Emergency Diesel Generator Reliability Tests". A copy of this procedure is available for review through our Bethesda Licensing Office. The test consisted of four hours of no-load operation followed by loading to full load in less than 120 seconds, operation at full load for at least one minute, and then operation at greater than 50% load for at least one hour. The results of this test were acceptable.

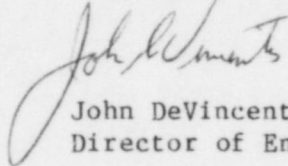
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SSER Supplement 4, Section 8.3.1.2.8, also requested that periodic testing of no-load operation capability be included in the Technical Specification. Since this capability has been verified during factory and preoperational testing, since we know of no condition that could change this capability, and since plant procedures ensure adequate control of no-load operation, we see no need to include such requirement in the Technical Specifications.

We request that this information be reflected in the next supplement to Seabrook's Safety Evaluation Report.

Very truly yours,

A handwritten signature in dark ink, appearing to read "John DeVincentis", is written over the typed name.

John DeVincentis  
Director of Engineering

cc: Atomic Safety and Licensing Board Service List

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