



June 3, 1986

Public Service of New Hampshire

SBN- 1085
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-1004), dated April 15, 1986, "Level
Measurement Error (SER Outstanding Issue No. 10)",
J. DeVincentis to V. S. Noonan

Subject: Level Measurement Error (SER Outstanding Issue No. 10)

Dear Sir:

During discussions with the NRC Staff on May 21, 1986, the Staff agreed that our methodology for determining the level measurement error caused by reference leg heatup [Reference (b)] was acceptable if qualified alarms are provided to alert the operator. Based on this we committed to providing high containment pressure alarms and containment pressure indication, that meet the criteria in FSAR Section 7.5.4.4 for Design Category 1 Accident Monitoring Instrumentation, prior to exceeding five percent power so that the methodology discussed could be applied to Seabrook Station.

Since the instrumentation committed to above will not be available prior to fuel load, we will also commit to keeping the containment purge valves closed when in Mode 2 under the Low-Power License. Analyses have been performed for a spectrum of break sizes at various power levels using the methodology and assumptions presented in Reference (b) with the containment purge valves closed. The containment temperatures calculated are less than 185° when SI is actuated on High-1 containment pressure (5.8 psig). Since the low-low-level setpoint, 17.1%, is calculated using a reference leg temperature of 185°F, the level trip can be relied on to mitigate a feedwater line break without operator action.

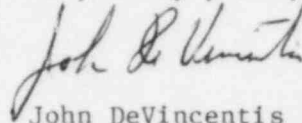
Attachment A, a revised Technical Specification, Section 3.6.1.7, provides suggested wording to reflect this commitment.

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These commitments and the information provided in Reference (b) completes our response to the above referenced SER outstanding issue. We request that the resolution of this issue be reflected in the next supplement to Seabrook Station's SER.

Very truly yours,



John DeVincentis
Director of Engineering

cc: Atomic Safety and Licensing Board Service List

CONTAINMENT SYSTEMS

CONTAINMENT VENTILATION SYSTEM

LIMITING CONDITION FOR OPERATION

3.6.1.7 Each containment purge supply and exhaust isolation valve shall be OPERABLE and:

a. Each 36-inch containment shutdown purge supply and exhaust isolation valve shall be closed and locked closed, and

b. * The 8-inch containment purge supply and exhaust isolation valve(s) may be open for up to 1000 hours during a calendar year provided no more than one pair (one supply and one exhaust) are open at one time. *shall be sealed closed to the maximum extent practicable but may be open for purge system operation for pressure control, for ALARit and respirable air quality considerations for personnel entry and for surveillance tests that require the valve to be open.*

APPLICABILITY: MODES 1, 2, 3, and 4. *ALARit and respirable air quality considerations for personnel entry and for surveillance tests that require the valve to be open.*

ACTION:

a. With a 36-inch containment purge supply and/or exhaust isolation valve open or not locked closed, close and/or lock close that valve or isolate the penetration(s) within 4 hours, otherwise be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.

b. With the 8-inch* containment purge supply and/or exhaust isolation valve(s) open for more than 1000* hours during a calendar year, *reasons other than given in 3.6.1.7.c & b.2,* close the open 8-inch* valve(s) or isolate the penetration(s) within 4 hours, otherwise be in at least HOT STANDBY within the next 6 hours, and in COLD SHUTDOWN within the following 30 hours.

c. With a containment purge supply and/or exhaust isolation valve(s) having a measured leakage rate in excess of the limits of Specifications 4.6.1.7.3 and/or 4.6.1.7.4, restore the inoperable valve(s) to OPERABLE status within 24 hours, otherwise be in at least HOT STANDBY within the next 6 hours, and in COLD SHUTDOWN within the following 30 hours.

or isolate the penetration(s) such that the measured leakage rate does not exceed the limits of Specification 4.6.1.7.3 and/or 4.6.1.7.4

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* FOR THE DURATION OF THE LOW POWER LICENSE THE 8 INCH COP SUPPLY AND EXHAUST ISOLATION VALVES MAY ONLY BE OPEN IN MODE 3 OR BELOW.

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