

# CATEGORY 1

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 RECIP.NAME      RECIPIENT AFFILIATION  
                     - Document Control Branch (Document Control Desk)

SUBJECT: Submits 30-day response to GL 97-04, "Assurance of  
 Sufficient Net Positive Suction Head for ECC & Containment  
 Heat Removal Pumps."

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

P.O. Box 968 • Richland, Washington 99352-0968

November 4, 1997  
GO2-97-201

Docket No. 50-397

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555

Gentlemen:

Subject: **WNP-2, OPERATING LICENSE NPF-21,  
30-DAY RESPONSE TO GENERIC LETTER 97-04**

Reference: Generic Letter 97-04, dated October 7, 1997, "Assurance of Sufficient Net Positive Suction Head for Emergency Core Cooling and Containment Heat Removal Pumps"

In the referenced generic letter, the staff requested that we review our current design-basis analyses used to determine the available net positive suction head (NPSH) for the emergency core cooling (including core spray and decay heat removal) and containment heat removal pumps that meet either of the following criteria:

1. pumps that take suction from the containment sump or suppression pool following a design-basis loss of coolant accident (LOCA) or secondary line break,
2. pumps used in "piggyback" operation that are necessary for recirculation cooling of the reactor core and containment (that is, pumps that are supplied by pumps which take suction directly from the sump or suppression pool).

Based on this review, the staff also requested that WNP-2 submit the following information within 90 days:

1. The general methodology used to calculate the head loss associated with the emergency core cooling system (ECCS) suction strainers.
2. The required NPSH and the available NPSH for the ECCS and containment heat removal pumps.

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PDR



1. The first part of the document is a letter from the President of the United States to the Congress, dated January 3, 1862. It is a very important document, as it contains the President's annual message to Congress. The letter is written in a very formal and dignified style, and it is one of the most important documents in the history of the United States.

2. The second part of the document is a letter from the Secretary of the Treasury to the President, dated January 3, 1862. It is a very important document, as it contains the Secretary's report to the President on the state of the Treasury. The letter is written in a very formal and dignified style, and it is one of the most important documents in the history of the United States.

3. The third part of the document is a letter from the Secretary of the Navy to the President, dated January 3, 1862. It is a very important document, as it contains the Secretary's report to the President on the state of the Navy. The letter is written in a very formal and dignified style, and it is one of the most important documents in the history of the United States.

30-DAY RESPONSE TO GENERIC LETTER 97-04

3. A determination whether the current design-basis NPSH analysis differs from the most recent analysis reviewed and approved by the NRC for which a safety evaluation was issued.
4. A determination whether containment overpressure (i.e., containment pressure above the vapor pressure of the sump or suppression pool fluid) was credited in the calculation of available NPSH. Specify the amount of overpressure needed and the minimum overpressure available.
5. If containment overpressure is credited in the calculation of available NPSH, confirm that an appropriate containment pressure analysis was done to establish the minimum containment pressure.

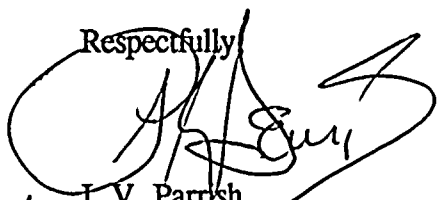
The generic letter also required, within 30 days, a written response indicating (a) whether or not the requested information will be submitted, and (b) whether or not the requested information will be submitted within the requested time period.

By this letter, we are providing the required 30-day response.

We are participating in a BWR Owners Group (BWROG) effort which has the objectives of reviewing current BWR industry NPSH calculational methodology and recommending a consistent approach for utility 90-day responses to the generic letter. The Supply System intends to provide a 90-day response to the generic letter considering the recommendations resulting from the BWROG NPSH Committee.

Should you have any questions or desire additional information regarding this matter, please call me or Mr. P. J. Inserra (509) 377-4147.

Respectfully,

  
for J. V. Parrish  
Chief/Executive Officer  
Mail Drop 1023

cc: EW Merschoff - NRC RIV  
KE Perkins, Jr. - NRC RIV, WCFO  
TG Colburn - NRR  
NRC Sr. Resident Inspector - 927N  
DL Williams - BPA/399  
PD Robinson - Winston & Strawn

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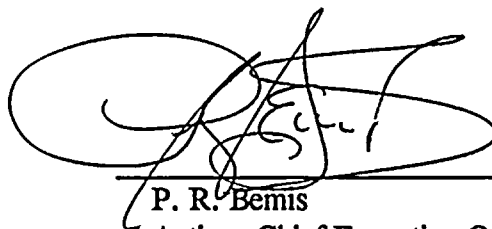
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STATE OF WASHINGTON )  
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COUNTY OF BENTON )

Subject: 30-Day Response to Generic  
Letter 97-04

I, P. R. BEMIS, being duly sworn, subscribe to and say that I am the Acting, Chief Executive Officer for the WASHINGTON PUBLIC POWER SUPPLY SYSTEM, the applicant herein; that I have the full authority to execute this oath; that I have reviewed the foregoing; and that to the best of my knowledge, information, and belief the statements made in it are true.


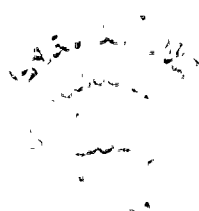
DATE 11/04/97, 1997



P. R. Bemis  
Acting, Chief Executive Officer

On this date personally appeared before me P. R. BEMIS, to me known to be the individual who executed the foregoing instrument, and acknowledged that he signed the same as his free act and deed for the uses and purposes herein mentioned.

GIVEN under my hand and seal this 4<sup>th</sup> day of November 1997.

  
\_\_\_\_\_  
Notary Public in and for the  
STATE OF WASHINGTON

Residing at N. Richland

My Commission Expires 3-29-01

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