



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**

WASHINGTON, D.C. 20555-0001

June 4, 1998

Mr. Harold W. Keiser  
Chief Nuclear Officer & President-  
Nuclear Business Unit  
Public Service Electric & Gas  
Company  
Post Office Box 236  
Hancocks Bridge, NJ 08038

**SUBJECT: COMPLETION OF LICENSING ACTION FOR GENERIC LETTER 97-04 - SALEM  
NUCLEAR GENERATING STATION, UNIT NOS. 1 AND 2  
(TAC NOS. MA0038 AND MA0039)**

Dear Mr. Keiser:

The U.S. Nuclear Regulatory Commission (NRC) issued Generic Letter (GL) 97-04, "Assurance of Sufficient Net Positive Suction Head for Emergency Core Cooling and Containment Heat Removal Pumps," to all holders of operating licenses or construction permits on October 7, 1997. The NRC issued GL 97-04 to confirm the adequacy of the net positive suction head (NPSH) available for emergency core cooling (including core spray and decay heat removal) and containment heat removal pumps under all design-basis accident scenarios.

In GL 97-04, the NRC staff specifically requested that licensees provide the information outlined below for each of their facilities.

1. Specify the general methodology used to calculate the head loss associated with the ECCS suction strainers.
2. Identify the required NPSH and the available NPSH.
3. Specify 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. Specify 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. When 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.

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H. Keiser

- 2 -

In response to GL 97-04, you provided a letter dated January 5, 1998, for Salem Nuclear Generating Station, Unit Nos. 1 and 2. This submittal provided the information requested by GL 97-04. The staff has reviewed your response and has concluded that all requested information has been provided; therefore, we consider GL 97-04 to be closed for your facilities. Thank you for your prompt and complete response.

If you have any questions regarding this matter, please contact me at 301-415-1457.

Sincerely,

/S/

Patrick D. Milano, Senior Project Manager  
Project Directorate I-2  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Docket Nos. 50-272 and 50-311

cc: See next page

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- 2 -

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If you have any questions regarding this matter, please contact me at 301-415-1457.

Sincerely,

A handwritten signature in black ink, appearing to read "Patrick D. Milano", with a long horizontal flourish extending to the right.

Patrick D. Milano, Senior Project Manager  
Project Directorate I-2  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Docket Nos. 50-272 and 50-311

cc: See next page

Mr. Harold W. Keiser  
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Units 1 and 2

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