

SEP 4 1985

Mr. R. L. Mittl, General Manager
Nuclear Assurance and Regulation
Public Service Electric & Gas Company
P.O. Box 570, T22A
Newark, New Jersey 07101

Dear Mr. Mittl:

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION - LOSS OF ALL CONTROL ROOM VENTILATION

By letter dated December 18, 1985, (J. Ebersole, ACRS to N. Palladino, NRC), the ACRS encouraged the NRC staff to give additional attention to the habitability of the control room in the event of a loss of both emergency ventilation trains. The ACRS noted that the heat load and rate of temperature rise in the control room under a range of various conditions should be considered.

In order to provide an accurate response to the ACRS' concern, we find that additional information is needed concerning the control room and its ventilation systems. Accordingly, the enclosure to this letter is a request for additional information (RAI) concerning this issue.

Please provide your response to the enclosed RAI by September 30, 1985.

Sincerely,

Enclosure:
As stated

cc: See next page

Walter R. Butler, Chief
Licensing Branch No. 2
Division of Licensing

DISTRIBUTION

Docket File NRC PDR Local PDR PRC System NSIC LB#2Reading EHylton
DWagner JPartlow BGrimes EJordan OELD,Dewey ACRS(16) JRidgely JHayes

LB#2/DL/PM
DWagner:mk
9/10/85

LB#2/DL/BC
WButler
9/4/85

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

SEP 4 1985

Docket No. 50-354

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Nuclear Assurance and Regulation
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Sincerely,

A handwritten signature in cursive script, reading "Walter R. Butler".

Walter R. Butler, Chief
Licensing Branch No. 2
Division of Licensing

Enclosure:
As stated

cc: See next page

Mr. R. L. Mittl
Public Service Electric & Gas Co.

Hope Creek Generating Station

cc:
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Regional Administrator, Region I
U. S. Nuclear Regulatory Commission
631 Park Avenue
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Public Service Electric & Gas Co. - 2 -

Hope Creek Generating Station

cc:

Mr. B. A. Preston
Project Licensing Manager
Public Service Electric & Gas Co.
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Newark, New Jersey 07101

Ms. Rebecca Green
New Jersey Bureau of Radiation
Protection
380 Scotch Road
Trenton, New Jersey 08628

REQUEST FOR ADDITIONAL INFORMATION

LOSS OF ALL CONTROL ROOM HVAC
HOPE CREEK GENERATING STATION

In the ACRS's December 18, 1984 letter to Chairman Palladino, the ACRS encouraged the NRC staff to give additional attention to the control room habitability requirements and to evaluate the potential loss of both trains of the emergency ventilation system and the heat load and rate of temperature rise in the control room under a range of HVAC conditions. So that we may be responsive to the ACRS, please provide the results of an analysis or test of the effects of the loss of all ventilation and cooling to the control and the electrical equipment rooms under various HVAC operating conditions. Your evaluation should include consideration of the rate of temperature rise in the general areas of the control and electrical equipment rooms and in various cabinets. At the McGuire plant, instruments failed or malfunctioned at lower temperatures than expected. Therefore, such a test should enable the applicant to identify hot spots, to correlate hot spot temperatures with general area temperatures, and to identify the locations where the monitoring of the control and electrical equipment room temperatures for Technical Specification purposes should be made.