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AUG 18 1981

Docket No. 50-272

Mr. F. W. Schneider, Vice President  
 Production  
 Public Service Electric and Gas Company  
 80 Park Plaza 15A  
 Newark, New Jersey 07101



Dear Mr. Schneider:

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION ON PWR MODERATOR DILUTION

By letters dated February 1, 1978 and April 2, 1981, you provided, in response to our requests, information concerning the potential for boron dilution incidents at Salem Unit 1. In particular, your April 2, 1981 letter stated that Salem has adopted "certain operating changes" to provide a greater margin of safety in the event of inadvertent dilution; and that Salem is protected against inadvertent dilution in the interim before "final hardware fixes" are introduced.

The staff is aware of the proposed hardware changes; however, it is our view that an independent evaluation of the Salem Unit 1 status should proceed regardless of the eventual outcome of the review of these hardware changes. In order to complete this evaluation, you are requested to provide the additional information specified in enclosure (1) within 45 days of receipt of this letter.

Sincerely,

Original signed by:  
 S. A. Varga

Steven A. Varga, Chief  
 Operating Reactors Branch #1  
 Division of Licensing

Enclosure:  
 Request for Additional Information

cc w/enclosure:  
 See next page

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OFFICE	ORB#1: <i>ds</i>	ORB#1: DL	ORB#1: DL				
SURNAME	GMeyer: ds	SVarga	BRoss				
DATE	8/18/81	8/18/81	8/18/81				

Mr. F. W. Schneider  
Public Service Electric and Gas Company

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Mr. Edwin A. Liden, Manager  
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Newark, New Jersey 07101

ENCLOSURE 1

Request for Additional Information  
on Inadvertent Boron Dilution  
at Salem Unit 1

Please provide the following information related to the potential for boron dilution at Salem Unit 1:

1. A description of the Westinghouse-suggested operating changes adopted by the Salem station to provide a greater margin of safety in the event of inadvertent boron dilution; and
2. An indication whether any potential incidents more limiting than the boron dilution incidents analyzed in the FSAR were revealed during the analysis conducted in accordance with our letter to F. P. Libruzzi on Boron Dilution Incidents, dated September 19, 1977. If an analysis of the potential for and consequences of boron dilution incidents at Salem Unit 1 sufficient to provide the above information has not been undertaken, it should be conducted and the information requested in our September 19, 1977 letter provided, if applicable.