

June 22, 1993

Mr. Steven E. Miltenberger
Vice President and Chief Nuclear
Officer
Public Service Electric and Gas
Company
Post Office Box 236
Hancocks Bridge, New Jersey 08038

Dear Mr. Miltenberger:

SUBJECT: NOTICE OF CONSIDERATION OF ISSUANCE OF AMENDMENT TO FACILITY
OPERATING LICENSE, PROPOSED NO SIGNIFICANT HAZARDS CONSIDERATION
DETERMINATION, AND OPPORTUNITY FOR A HEARING, SALEM NUCLEAR
GENERATING STATION, UNITS 1 AND 2 (TAC NOS. M86753 AND M86754)

The Commission has requested the Office of the Federal Register to
publish the enclosed "Notice of Consideration of Issuance of Amendment to
Facility Operating License, Proposed No Significant Hazards Consideration
Determination, and Opportunity for a Hearing." This notice relates to your
application for amendment dated June 17, 1993, which would revise the Salem
Updated Final Safety Analysis Report to incorporate a new assumption that a
potential single failure in the rod control system can cause misoperation of a
single or multiple rod control cluster assemblies and would reclassify the
event as a Condition II event.

Sincerely,
/s/
Charles L. Miller, Director
Project Directorate I-2
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Enclosure:
Notice of Consideration

cc w/enclosure:
See next page

NRC FILE CENTER COPY

DISTRIBUTION

Docket File	CMiller	ACRS(10)
NRC & Local PDRs	MO'Brien	OPA
PDI-2 Reading	JStone	OC/LFDCB
SVarga	OGC	Ewenzinger, RGN-I
JCalvo	DHagan	JWhite, RGN-I

OFFICE	PDI-2/PA	PDI-2/PM	PDI-2/D		
NAME	MO'Brien	JStone	CMiller		
DATE	6/22/93	6/22/93	6/22/93		

OFFICIAL RECORD COPY
DOCUMENT NAME: SA86753.GEN

9307090254 930622
PDR ADDCK 05000272
P PDR

2 Fol
11



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D. C. 20555-0001

June 22, 1993

Docket Nos. 50-272
and 50-311

Mr. Steven E. Miltenberger
Vice President and Chief Nuclear
Officer
Public Service Electric and Gas
Company
Post Office Box 236
Hancocks Bridge, New Jersey 08038

Dear Mr. Miltenberger:

SUBJECT: NOTICE OF CONSIDERATION OF ISSUANCE OF AMENDMENT TO FACILITY
OPERATING LICENSE, PROPOSED NO SIGNIFICANT HAZARDS CONSIDERATION
DETERMINATION, AND OPPORTUNITY FOR A HEARING, SALEM NUCLEAR
GENERATING STATION, UNITS 1 AND 2 (TAC NOS. M86753 AND M86754)

The Commission has requested the Office of the Federal Register to publish the enclosed "Notice of Consideration of Issuance of Amendment to Facility Operating License, Proposed No Significant Hazards Consideration Determination, and Opportunity for a Hearing." This notice relates to your application for amendment dated June 17, 1993, which would revise the Salem Updated Final Safety Analysis Report to incorporate a new assumption that a potential single failure in the rod control system can cause misoperation of a single or multiple rod control cluster assemblies and would reclassify the event as a Condition II event.

Sincerely,

A handwritten signature in cursive script that reads "Charles L. Miller".

Charles L. Miller, Director
Project Directorate I-2
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Enclosure:
Notice of Consideration

cc w/enclosure:
See next page

Mr. Steven E. Miltenberger
Public Service Electric & Gas
Company

Salem Nuclear Generating Station,
Units 1 and 2

cc:

Mark J. Wetterhahn, Esquire
Winston & Strawn
1400 L Street NW
Washington, DC 20005-3502

Richard Hartung
Electric Service Evaluation
Board of Regulatory Commissioners
2 Gateway Center, Tenth Floor
Newark, NJ 07102

Richard Fryling, Jr., Esquire
Law Department - Tower 5E
80 Park Place
Newark, NJ 07101

Regional Administrator, Region I
U. S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406

Mr. Calvin A. Vondra
General Manager - Salem Operations
Salem Generating Station
P.O. Box 236
Hancocks Bridge, NJ 08038

Lower Alloways Creek Township
c/o Mary O. Henderson, Clerk
Municipal Building, P.O. Box 157
Hancocks Bridge, NJ 08038

Mr. J. Hagan
Vice President - Nuclear Operations
Nuclear Department
P.O. Box 236
Hancocks Bridge, New Jersey 08038

Mr. Frank X. Thomson, Jr., Manager
Licensing and Regulation
Nuclear Department
P.O. Box 236
Hancocks Bridge, NJ 08038

Mr. Thomas P. Johnson, Senior Resident
Inspector
Salem Generating Station
U.S. Nuclear Regulatory Commission
Drawer I
Hancocks Bridge, NJ 08038

Mr. David Wersan
Assistant Consumer Advocate
Office of Consumer Advocate
1425 Strawberry Square
Harrisburg, PA 17120

Dr. Jill Lipoti, Asst. Director
Radiation Protection Programs
NJ Department of Environmental
Protection and Energy
CN 415
Trenton, NJ 08625-0415

Mr. J. A. Isabella
MGR. - Generation Department
Atlantic Electric Company
P.O. Box 1500
1199 Black Horse Pike
Pleasantville, NJ 08232

Maryland People's Counsel
American Building, 9th Floor
231 East Baltimore Street
Baltimore, Maryland 21202

Carl D. Schaefer
External Operations - Nuclear
Delmarva Power & Light Company
P.O. Box 231
Wilmington, DE 19899

Mr. J. T. Robb, Director
Joint Owners Affairs
Philadelphia Electric Company
955 Chesterbrook Blvd., 51A-13
Wayne, PA 19087

Public Service Commission of Maryland
Engineering Division
ATTN: Chief Engineer
231 E. Baltimore Street
Baltimore, MD 21202-3486

DTC TFFRW

7590-01

UNITED STATES NUCLEAR REGULATORY COMMISSION

PUBLIC SERVICE ELECTRIC AND GAS COMPANY

DOCKET NOS. 50-272 AND 50-311

NOTICE OF CONSIDERATION OF ISSUANCE OF AMENDMENT TO
FACILITY OPERATING LICENSE, PROPOSED NO SIGNIFICANT HAZARDS
CONSIDERATION DETERMINATION, AND OPPORTUNITY FOR A HEARING

The U.S. Nuclear Regulatory Commission (the Commission) is considering issuance of an amendment to Facility Operating License No. DPR-70 and DPR-75 issued to Public Service Electric and Gas Company (the licensee) for operation of the Salem Nuclear Generating Station, Units 1 and 2, located in Salem County, New Jersey.

The proposed amendment would change the Salem Nuclear Generating Station, Units 1 and 2, Updated Final Safety Analysis Report (UFSAR), Section 4.3 and 15.3.5, relative to single rod control cluster assembly (RCCA) withdrawal events. The change would incorporate a new assumption that a potential single failure in the rod control system can cause misoperation of a single or multiple RCCAs and provides the necessary analysis to show continued compliance with General Design Criterion (GDC) 25. As a result, the changes would reclassify the single RCCA withdrawal event from a Condition III event to a Condition II event. This reclassification would assume an increased frequency in the occurrence of the event, but would show that the fuel design limits would not be exceeded.

Before issuance of the proposed license amendment, the Commission will have made findings required by the Atomic Energy Act of 1954, as amended (the Act) and the Commission's regulations.

9307090263 930622
PDR ADOCK 05000272
P PDR

The Commission has made a proposed determination that the amendment request involves no significant hazards consideration. Under the Commission's regulations in 10 CFR 50.92, this means that operation of the facility in accordance with the proposed amendment would not (1) involve a significant increase in the probability or consequences of an accident previously evaluated; or (2) create the possibility of a new or different kind of accident from any accident previously evaluated; or (3) involve a significant reduction in a margin of safety. As required by 10 CFR 50.91(a), the licensee has provided its analysis of the issue of no significant hazards consideration, which is presented below:

- 1) The operation of Salem Nuclear Generating Station in accordance with the proposed change will not involve a significant increase in the probability or consequences of an accident previously evaluated.

UFSAR Chapter 15 accident analyses which may be affected by the observed rod control system failure causing inadvertent RCCA withdrawal have been identified. The probability of the Single RCCA Withdrawal at Power event discussed in UFSAR section 15.3.5 is considered to be increased since only multiple failures were previously considered to cause this event. The analysis contained in UFSAR Section 15.3.5 was previously evaluated against the criteria of a Condition III event. The reanalysis of this event considered the more stringent criteria of a Condition II event. The analysis concluded that the DNB design limits for the fuel continued to be met in accordance with GDC 25.

Therefore, although the probability of this event has theoretically increased, this increase is not considered significant since the criteria for a Condition II event as defined in ANSI N18.2 have been conservatively demonstrated to be met (i.e., although the probability of the event has increased, the consequences meet the more stringent Condition II criteria).

Therefore, the proposed license amendment does not involve a significant increase in the probability or consequences of any accident previously evaluated.

- 2) The operation of the Salem Generating Station in accordance with the proposed change does not create the possibility of a new or different kind of accident from any accident previously evaluated.

A spectrum of RCCA withdrawal events is documented in the Salem licensing basis. A symmetric RCCA group/bank withdrawal event from subcritical is analyzed and presented in UFSAR section 15.2.1 and a symmetric RCCA group/bank withdrawal at power is analyzed and presented in UFSAR Section 15.2.2. The single RCCA withdrawal event is analyzed and presented in Section 15.3.5 of the Salem UFSAR but assumes that initiation can only occur as a result of multiple failures. This event, although now potentially caused by a single failure, is not considered to be an event which is different that already evaluated.

Given that this failure could cause the asymmetric withdrawal of more than one RCCA, which is not currently analyzed for the UFSAR, new RCCA withdrawal cases have been postulated. However, based on the guidelines of the Standard Review Plant (section 15.4.3), this postulated scenario only represents a variation of the reactivity and power distribution anomalies that are currently addressed in the Salem licensing basis is not considered to be a new event of a different type. Thus, although it requires reanalysis of the RCCA withdrawal event, the assumed single failure does not create the possibility of an accident that is different than that already evaluated.

Therefore, the proposed license amendment does not create the possibility of a new or different kind of accident from any previously evaluated.

- 3) The operation of Salem Generating Station in accordance with the proposed change does not involve a significant reduction in a margin of safety.

The rod control system failure and subsequent RCCA withdrawal will have no affect on the availability, operability or performance of any safety-related equipment required for accident mitigation. Operation in automatic or manual control and criticality achieved through boron dilution will ensure that the requirements of GDC 25 will continue to be satisfied. Any potential releases resulting from RCCA withdrawals will remain within the limits of 10CFR20 and 10CFR100 limits. Therefore, the proposed license amendment does not involve a significant reduction in a margin of safety.

The NRC staff has reviewed the licensee's analysis and, based on this review, it appears that the three standards of 10 CFR 50.92(c) are satisfied. Therefore, the NRC staff proposes to determine that the amendment request involves no significant hazards consideration.

The Commission is seeking public comments on this proposed determination. Any comments received within 30 days after the date of publication of this notice will be considered in making any final determination.

Normally, the Commission will not issue the amendment until the expiration of the 30-day notice period. However, should circumstances change during the notice period such that failure to act in a timely way would result, for example, in derating or shutdown of the facility, the Commission may issue the license amendment before the expiration of the 30-day notice period, provided that its final determination is that the amendment involves no significant hazards consideration. The final determination will consider all public and State comments received. Should the Commission take this action, it will publish in the FEDERAL REGISTER a notice of issuance and provide for opportunity for a hearing after issuance. The Commission expects that the need to take this action will occur very infrequently.

Written comments may be submitted by mail to the Rules Review and Directives Branch, Division of Freedom of Information and Publications Services, Office of Administration, U.S. Nuclear Regulatory Commission, Washington, DC 20555, and should cite the publication date and page number of this FEDERAL REGISTER notice. Written comments may also be delivered to Room P-223, Phillips Building, 7920 Norfolk Avenue, Bethesda, Maryland, from 7:30 a.m. to 4:15 p.m. Federal workdays. Copies of written comments received may be examined at the NRC Public Document Room, the Gelman Building, 2120 L Street, NW., Washington, DC 20555.

The filing of requests for hearing and petitions for leave to intervene is discussed below.

By July 29, 1993 , the licensee may file a request for a hearing with respect to issuance of the amendment to the subject facility operating license and any person whose interest may be affected by this proceeding and who wishes to participate as a party in the proceeding must file a written request for a hearing and a petition for leave to intervene. Requests for a hearing and a petition for leave to intervene shall be filed in accordance with the Commission's "Rules of Practice for Domestic Licensing Proceedings" in 10 CFR Part 2. Interested persons should consult a current copy of 10 CFR 2.714 which is available at the Commission's Public Document Room, the Gelman Building, 2120 L Street, NW., Washington, DC 20555 and at the local public document room located at the Salem Free Public Library, 112 West Broadway, Salem, New Jersey 08079. If a request for a hearing or petition for leave to intervene is filed by the above date, the Commission or an Atomic Safety and Licensing Board, designated by the Commission or by the Chairman of the Atomic Safety and Licensing Board Panel, will rule on the request and/or petition; and the Secretary or the designated Atomic Safety and Licensing Board will issue a notice of hearing or an appropriate order.

As required by 10 CFR 2.714, a petition for leave to intervene shall set forth with particularity the interest of the petitioner in the proceeding, and how that interest may be affected by the results of the proceeding. The petition should specifically explain the reasons why intervention should be permitted with particular reference to the following factors: (1) the nature of the petitioner's right under the Act to be made party to the proceeding; (2) the nature and extent of the petitioner's property, financial, or other interest in the proceeding; and (3) the possible effect of any order which may

be entered in the proceeding on the petitioner's interest. The petition should also identify the specific aspect(s) of the subject matter of the proceeding as to which petitioner wishes to intervene. Any person who has filed a petition for leave to intervene or who has been admitted as a party may amend the petition without requesting leave of the Board up to 15 days prior to the first prehearing conference scheduled in the proceeding, but such an amended petition must satisfy the specificity requirements described above.

Not later than 15 days prior to the first prehearing conference scheduled in the proceeding, a petitioner shall file a supplement to the petition to intervene which must include a list of the contentions which are sought to be litigated in the matter. Each contention must consist of a specific statement of the issue of law or fact to be raised or controverted. In addition, the petitioner shall provide a brief explanation of the bases of the contention and a concise statement of the alleged facts or expert opinion which support the contention and on which the petitioner intends to rely in proving the contention at the hearing. The petitioner must also provide references to those specific sources and documents of which the petitioner is aware and on which the petitioner intends to rely to establish those facts or expert opinion. Petitioner must provide sufficient information to show that a genuine dispute exists with the applicant on a material issue of law or fact. Contentions shall be limited to matters within the scope of the amendment under consideration. The contention must be one which, if proven, would entitle the petitioner to relief. A petitioner who fails to file such a supplement which satisfies these requirements with respect to at least one contention will not be permitted to participate as a party.

Those permitted to intervene become parties to the proceeding, subject to any limitations in the order granting leave to intervene, and have the opportunity to participate fully in the conduct of the hearing, including the opportunity to present evidence and cross-examine witnesses.

If a hearing is requested, the Commission will make a final determination on the issue of no significant hazards consideration. The final determination will serve to decide when the hearing is held.

If the final determination is that the amendment request involves no significant hazards consideration, the Commission may issue the amendment and make it immediately effective, notwithstanding the request for a hearing. Any hearing held would take place after issuance of the amendment.

If the final determination is that the amendment request involves a significant hazards consideration, any hearing held would take place before the issuance of any amendment.

A request for a hearing or a petition for leave to intervene must be filed with the Secretary of the Commission, U.S. Nuclear Regulatory Commission, Washington, DC 20555, Attention: Docketing and Services Branch, or may be delivered to the Commission's Public Document Room, the Gelman Building, 2120 L Street, NW., Washington, DC 20555, by the above date. Where petitions are filed during the last 10 days of the notice period, it is requested that the petitioner promptly so inform the Commission by a toll-free telephone call to Western Union at 1-(800) 248-5100 (in Missouri 1-(800) 342-6700). The Western Union operator should be given Datagram Identification Number N1023 and the following message addressed to Charles L. Miller, Director, Project Directorate I-2: petitioner's name and telephone number,

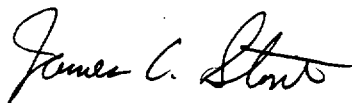
date petition was mailed, plant name, and publication date and page number of this FEDERAL REGISTER notice. A copy of the petition should also be sent to the Office of the General Counsel, U.S. Nuclear Regulatory Commission, Washington, DC 20555, and to Mark J. Wetterhahn, Esquire, Winston and Strawn, 1400 L Street, NW, Washington, DC 20005-3502, attorney for the licensee.

Nontimely filings of petitions for leave to intervene, amended petitions, supplemental petitions and/or requests for hearing will not be entertained absent a determination by the Commission, the presiding officer or the presiding Atomic Safety and Licensing Board that the petition and/or request should be granted based upon a balancing of the factors specified in 10 CFR 2.714(a)(1)(i)-(v) and 2.714(d).

For further details with respect to this action, see the application for amendment dated June 17, 1993, which is available for public inspection at the Commission's Public Document Room, the Gelman Building, 2120 L Street, NW., Washington, DC 20555 and at the local public document room located at the Salem Free Public Library, 112 West Broadway, Salem, New Jersey 08079.

Dated at Rockville, Maryland, this 22nd day of June 1993.

FOR THE NUCLEAR REGULATORY COMMISSION



James C. Stone, Senior Project Manager
Project Directorate I-2
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation