

21  
November 2, 1989

Docket Nos. 50-272/311

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

Dear Mr. Miltenberger:

SUBJECT: AMENDMENT IMPLEMENTATION DATE CHANGE-REACTOR HEAD VENTS  
(TAC NOS. 71097/71098)

RE: SALEM GENERATING STATION, UNIT NOS. 1 AND 2

The Commission has issued the enclosed Amendment Nos. 104 and 81 to Facility Operating License Nos. DPR-70 and DPR-75 for the Salem Generating Station, Unit Nos. 1 and 2. These changes are in response to your letter dated October 4, 1989 in which you requested relief from the implementation date of Amendments Nos. 101 and 78 issued on August 28, 1989. No change in the Technical Specifications pages is involved. In response to this request, a Temporary Waiver of Compliance was issued on October 11, 1989 to allow both Salem Units to continue to operate while the requested changes were being processed.

These changes delay the implementation of Amendments 101 and 78 from no later than October 12, 1989 to the first shutdown in which the reactor is placed in Mode 3.

A copy of our safety evaluation is also enclosed. Notice of Issuance will be included in the Commission's biweekly Federal Register notice.

Sincerely, /S/

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

Enclosures:

1. Amendment No. 104 to  
License No. DPR-70
2. Amendment No. 81 to  
License No. DPR-75
3. Safety Evaluation

cc w/enclosures:  
See next page

DISTRIBUTION w/enclosures:

Docket File	MO'Brien (2)	Wanda Jones	JDyer	NRC PDR	OGC
JCalvo	JLinville	Local PDR	DHagan	BBoger	
PDI-2 Reading	EJordan	ACRS (10)	WButler	BGrimes	GPA/PA
JStone/MThadani	TMeek (8)	Rita Jaques, ARM/LFMB			

\*Previously concurred

PDI-2/PM\*  
JStone  
10/13/89

NRR/SRXB  
RJones  
10/12/89

OGC  
AMX  
10/24/89

[MILT LETTER]

PDI-2/D  
WButler  
11/20/89

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PDR ADOCK 05000272  
P PNU

CP-1  
WB.  
RF01  
11

2. Accordingly, Facility Operating License No. DPR-70 is amended to correct the implementation date of Amendment 101 to read as follows:

License Amendment 101 is effective as of its date of issuance and is to be implemented prior to reactor startup following the next plant shutdown to Mode 3, Hot Standby.

3. This license amendment is effective as of its date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

/S/

Walter R. Butler, Director  
Project Directorate I-2  
Division of Reactor Projects I/II

Date of Issuance: November 21, 1989

PDI-2/LA  
MBrien  
10/19/89

PDI-2/PM  
JStone:tr  
10/20/89

NRR/SRXB  
RJones  
10/20/89 10 21/89

OGC

PDI-2/D  
WButler  
11/2/89

*make change shown in SE APH*

2. Accordingly, Facility Operating License No. DPR-75 is amended to correct the implementation date of Amendment 78 to read as follows:

License Amendment 78 is effective as of its date of issuance and is to be implemented prior to reactor startup following the next plant shutdown to Mode 3, Hot Standby.

3. This license amendment is effective as of its date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

/S/

Walter R. Butler, Director  
Project Directorate I-2  
Division of Reactor Projects I/II

Date of Issuance: November 21, 1989

PDI-2/A  
NO'Brien  
10/19/89

PDI-2/PM  
JStone  
10/20/89

NRR/SRXB  
RJones  
10/20/89

OGC  
10/20/89

PDI-2/D  
WButler  
11/20/89

*Make changes  
to shown in  
SF APP 2*



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

November 21, 1989

Docket Nos. 50-272/311

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Post Office Box 236  
Hancocks Bridge, New Jersey 08038

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Sincerely,

A handwritten signature in cursive script that reads "James C. Stone".

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

Enclosures:

1. Amendment No. 104 to  
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cc w/enclosures:  
See next page

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

Salem Nuclear Generating Station

cc:

Mark J. Wetterhahn, Esquire  
Conner and Wetterhahn  
Suite 1050  
1747 Pennsylvania Avenue, NW  
Washington, DC 20006

Richard B. McGlynn, Commission  
Department of Public Utilities  
State of New Jersey  
101 Commerce Street  
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. L. K. Miller  
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. S. LaBruna  
Vice President - Nuclear Operations  
Nuclear Department  
P.O. Box 236  
Hancocks Bridge, New Jersey 08038

Mr. Bruce A. Preston, Manager  
Licensing and Regulation  
Nuclear Department  
P.O. Box 236  
Hancocks Bridge, NJ 08038

Kathy Halvey Gibson, Resident Inspector  
Salem Nuclear 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

Richard F. Engel  
Deputy Attorney General  
Department of Law and Public Safety  
CN-112  
State House Annex  
Trenton, NJ 08625

Mr. Scott B. Ungerer  
MGR. - Joint Generation Projects  
Atlantic Electric Company  
P.O. Box 1500  
1199 Black Horse Pike  
Pleasantville, NJ 08232

Dr. Jill Lipoti, Ph.D  
New Jersey Department of Environmental  
Protection  
Division of Environmental Quality  
Radiation Protection Programs  
State of New Jersey  
CN 415  
Trenton, NJ 08625

Mr. Jack Urban  
General Manager, Fuels Department  
Delmarva Power & Light Company  
800 King Street  
Wilmington, DE 19899

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

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



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

PUBLIC SERVICE ELECTRIC & GAS COMPANY

PHILADELPHIA ELECTRIC COMPANY

DELMARVA POWER AND LIGHT COMPANY

ATLANTIC CITY ELECTRIC COMPANY

DOCKET NO. 50-272

SALEM GENERATING STATION, UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 104  
License No. DPR-70

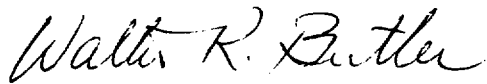
1. The Nuclear Regulatory Commission (the Commission or the NRC) has found that:
  - A. The application for amendment filed by the Public Service Electric & Gas Company, Philadelphia Electric Company, Delmarva Power and Light Company and Atlantic City Electric Company (the licensees) dated October 4, 1989 complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
  - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
  - C. There is reasonable assurance: (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations set forth in 10 CFR Chapter I;
  - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
  - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

2. Accordingly, Facility Operating License No. DPR-70 is amended to correct the implementation date of Amendment 101 to read as follows:

License Amendment 101 is effective as of its date of issuance and is to be implemented prior to reactor startup following the next plant shutdown to Mode 3, Hot Standby.

3. This license amendment is effective as of its date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Walter R. Butler, Director  
Project Directorate I-2  
Division of Reactor Projects I/II

Date of Issuance: November 21, 1989



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

PUBLIC SERVICE ELECTRIC & GAS COMPANY

PHILADELPHIA ELECTRIC COMPANY

DELMARVA POWER AND LIGHT COMPANY

ATLANTIC CITY ELECTRIC COMPANY

DOCKET NO. 50-311

SALEM GENERATING STATION, UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 81  
License No. DPR-75

1. The Nuclear Regulatory Commission (the Commission or the NRC) has found that:
  - A. The application for amendment filed by the Public Service Electric & Gas Company, Philadelphia Electric Company, Delmarva Power and Light Company and Atlantic City Electric Company (the licensees) dated October 4, 1989 complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
  - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
  - C. There is reasonable assurance: (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations set forth in 10 CFR Chapter I;
  - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
  - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

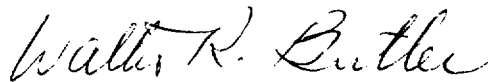


2. Accordingly, Facility Operating License No. DPR-75 is amended to correct the implementation date of Amendment 78 to read as follows:

License Amendment 78 is effective as of its date of issuance and is to be implemented prior to reactor startup following the next plant shutdown to Mode 3, Hot Standby.

3. This license amendment is effective as of its date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Walter R. Butler, Director  
Project Directorate I-2  
Division of Reactor Projects I/II

Date of Issuance: November 21, 1989



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NOS. 104 AND 81 TO FACILITY OPERATING

LICENSE NOS. DPR-70 AND DPR-75

PUBLIC SERVICE ELECTRIC & GAS COMPANY

PHILADELPHIA ELECTRIC COMPANY

DELMARVA POWER AND LIGHT COMPANY

ATLANTIC CITY ELECTRIC COMPANY

SALEM GENERATING STATION, UNIT NOS. 1 AND 2

DOCKET NOS. 50-272 AND 50-311

1.0 INTRODUCTION

By letter dated October 4, 1989, Public Service Electric & Gas Company, the licensee, requested that implementation of Amendments 101 and 78 to license Nos. DPR-70 and DPR-75, respectively, be delayed until prior to startup following the next plant shutdown to Mode 3, Hot Standby. This is necessary because Section 12.4.4.1 (added by amendments 101 and 78) requires all manual isolation valves to be locked open. Prior to restart from the last refueling outages, the valves were verified open but not locked. The valves are physically located behind a biological shield and radiation exposure considerations preclude locking the valves open with the reactor critical. Amendments 101 and 78 were to be implemented within 45 days of the date of issuance, which made October 12, 1989 the deadline for implementation. To avoid an unnecessary shutdown and allow the staff sufficient time to process the changes, a Temporary Waiver of Compliance was issued on October 11, 1989. In addition, the licensee requested exigent handling of this request to avoid shutting down the plants. The staff has agreed to this request.

2.0 EVALUATION AND EXIGENT CIRCUMSTANCES

Amendments 101 and 78, applicable to Salem 1 and 2, respectively, add Technical Specifications for the Reactor Vessel Head Vent (RVHV) System. Surveillance Requirement 12.4.4.1 requires that manual isolation valves be OPERABLE by locking open. Implementation of the Amendments was to be completed by October 12, 1989. Both units are currently at or near 100% power and because the valves are physically located behind a biological shield, personnel radiation exposure considerations prohibit locking the valves at this time. Prior to restart following the last refueling

outages, the valves were used to vent the reactor vessel head and were verified as being open, but not locked. Because of these activities there is a high level of assurance that the RVHV Systems are functional, should it become necessary to use the systems.

The licensee has requested a delay in implementing Amendments 101 and 78 until prior to reactor startup following the next plant shutdown to Mode 3, Hot Standby. The latest this implementation schedule would allow is the next Unit 1 refueling outage, currently scheduled for October 1990, and the next Unit 2 refueling outage, currently scheduled for March 1990.

The NRC staff has reviewed the request and has determined that subjecting the plants to a shutdown/restart cycle to lock open the RVHV valves is not warranted because:

1. The valves were verified open prior to restart from the last refueling outage thereby providing a high level of assurance that the RVHV Systems are functional,
2. The valves are designed to be used for certain accidents, which are low probability events and
3. No credit is taken for the RVHV System in any accident analysis at Salem.

Based on the above, the NRC staff finds the deferred implementation for Amendments 101 and 78 to DPR-70 and DPR-75, respectively, to be acceptable.

The Commission has determined that the licensee has properly invoked the exigency provisions of 10 CFR 50.91(a)(6). Failure of the Commission to act on the licensee's request would result in both Salem units being shut down for the sole purpose of locking open the manual isolation valves. Therefore, the request should be processed under the exigency provisions of 10 CFR 50.91(a)(6)(i)(A).

### 3.0 FINAL NO SIGNIFICANT HAZARDS CONSIDERATION DETERMINATION

The Commission's regulations in 10 CFR 50.92 state that the Commission may make a final determination that a license amendment involves no significant hazards consideration if operation of the facility in accordance with the amendment would not: 1) involve a significant increase in the probability or consequences of an accident previously evaluated; 2) create the possibility of a new or different kind of accident from any accident previously evaluated; or 3) involve a significant reduction in the margin of safety. The staff has evaluated the proposal against the three factors as part of the determination:

1. Does not involve a significant increase in the probability or consequences of an accident previously evaluated.

Credit has not been taken for the RVHV System in any accident analysis at Salem. Therefore, even if the RVHV System was not operable, there would be no effect on previously analyzed accidents. Delaying the implementation of the technical specifications does not render the RVHV System nonfunctional. Because the vent path was used and the manual valves verified open there is a high degree of assurance that the RVHV System is functional.

2. Does not create the possibility of a new or different kind of accident from any accident previously evaluated.

The RVHV System installed at both Salem Units was previously approved by NRC. System failures were analyzed as part of that review. Delaying implementation of the technical specifications does not create any new or different accidents.

3. Does not involve a significant reduction in the margin of safety.

Credit for having the RVHV System was not taken in any accident analysis at Salem. Therefore, there is no reduction in the margin of safety even if the RVHV System was inoperable. Therefore, delaying implementation of the technical specifications for the RVHV System will not reduce the margin of safety.

Based on the above considerations the staff concludes that the amendments involve no significant hazards consideration.

#### 4.0 ENVIRONMENTAL CONSIDERATION

These amendments involve a change to a requirement with respect to the installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20. The staff has determined that the amendments involve no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that these amendments involve no significant hazards consideration and there has been no public comment on such finding. Accordingly, the amendments meet the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b), no environmental impact statement or environmental assessment need be prepared in connection with the issuance of the amendments.

#### 4.0 CONCLUSION

The Commission made a proposed determination that the amendments involve no significant hazards consideration which was published in the Federal Register (54 FR 41887) on October 12, 1989 and consulted with the State of New Jersey. No public comments were received and the State of New Jersey did not have any comments.

We have concluded, based on the considerations discussed above, that: (1) because the amendments do not involve a significant increase in the probability or consequences of an accident previously evaluated, do not create the possibility of an accident of a type different from any previously evaluated, and do not involve a significant reduction in a margin of safety, the amendments do not involve a significant hazards consideration, (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (3) such activities will be conducted in compliance with the Commission's regulations and the issuance of the amendments will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributor: J. C. Stone

Dated: November 21, 1989