

JAN 27 1983

Docket No. 50-311

Mr. Richard A. Uderitz  
Vice President - Nuclear  
Public Service Electric and Gas Company  
Post Office Box 236  
Hancocks Bridge, New Jersey 08038

Dear Mr. Uderitz:

The Commission has issued the enclosed Amendment No. 17 to Facility Operating License No. DPR-75 for the Salem Nuclear Generating Station, Unit No. 2. This action is taken in response to your request dated October 7, 1982.

The amendment modifies License Condition 2.C.15(b) and now allows licensee to delay installation of upper inspection ports in the steam generators until the second refueling outage.

Copies of the Safety Evaluation and the Notice of Issuance are also enclosed.

Sincerely,

ORIGINAL SIGNED

Donald C. Fischer, Project Manager  
Operating Reactors Branch #1  
Division of Licensing

Enclosures:

1. Amendment No. 17 to DPR-75
2. Safety Evaluation
3. Notice of Issuance

cc w/enclosures:  
See next page

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PDR ADOCK 05000311  
P PDR

\*Previous concurrences see next page

OFFICE	ORB#1:DL*	ORB#1:DL*	ORB#1:DL*	AD/SA*	AD/OR:DL	OELD	DEisenhut
SURNAME	CParrish	DFischer:dm	SVarga	FMiraglia	GLainas	M. KARMAN	DEisenhut...
DATE	01/1/83	01/6/83	01/12/83	01/7/83	01/7/83	01/11/83	01/18/83

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Mr. Richard A. Uderitz  
Vice President - Nuclear  
Public Service Electric and Gas Company  
Post Office Box 236  
Hancocks Bridge, New Jersey 08038

Dear Mr. Uderitz:

The Commission has issued the enclosed Amendment No. to Facility Operating License No. DPR-75 for the Salem Nuclear Generating Station, Unit No. 2. This action is taken in response to your request dated October 7, 1982.

The amendment deletes License Condition 2.C.15(b) that requires installation of inspection ports in the steam generators of this unit.

Copies of the Safety Evaluation and the Notice of Issuance are also enclosed.

Sincerely,

William J. Ross, Project Manager  
Operating Reactors Branch #1  
Division of Licensing

Enclosures:

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cc w/enclosures:  
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Docket TBarnhart-4  
NRC PDR LSchneider  
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LJHarmon-2  
ACRS-10  
CParrish  
WRoss  
DBrinkman  
OPA  
RDiggs

MPAGLIA  
AD SA:DL  
12/20/82

OFFICE	ORB#1:DL	ORB#1:DL	ORB#1:DL	AD/SA:DL	AD/OR:DL	OELD	D/DL
SURNAME	CParrish	WRoss	SVarga	FMiraglia	GLainas		DEisenhut
DATE	12/1/82	12/1/82	12/1/82	12/ /82	12/ /82	12/ /82	12/ /82

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

PUBLIC SERVICE ELECTRIC AND GAS COMPANY  
PHILADELPHIA ELECTRIC COMPANY  
DELMARVA POWER AND LIGHT COMPANY  
ATLANTIC CITY ELECTRIC COMPANY

DOCKET NO. 50-311

SALEM NUCLEAR GENERATING STATION, UNIT NO. 2


AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 17  
License No. DPR-75

1. The Nuclear Regulatory Commission (the Commission has found that:
  - A. The application for amendment by Public Service Electric and Gas Company, Philadelphia Electric Company, Delmarva Power and Light Company and Atlantic City Electric Company (the licensees) dated October 7, 1982, 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;
  - 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, the license is amended by modifying Condition 2.C.15(b) that now states, "Public Service Electric and Gas Company shall install inspection ports in the steam generators. Implementation may be delayed until the second refueling outage."
3. Within 90 days after the effective date of this amendment, or such later time as the Commission may specify, the licensee shall satisfy any applicable requirement of P.L. 97-425 related to pursuing an agreement with the Secretary of Energy for the disposal of high-level radioactive waste and spent nuclear fuel.
4. This license amendment is effective as of the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

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

Attachment:  
Changes to License Condition

Date of Issuance: January 27, 1983

ATTACHMENT TO LICENSE AMENDMENT NO.17

FACILITY OPERATING LICENSE NO. DPR-75

DOCKET NO. 50-311

Revise Facility Operating License No. DPR-75 as follows:

Remove Page

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Insert Page

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- (14) Waterhammer Test (Appendix C, A-1, Supplement 4 and Section 22.2, II.E.1.1, Supplement 5)

Prior to exceeding 90 percent power, PSE&G shall perform a test program to show that unacceptable waterhammer damage will not result from anticipated feedwater transients to the steam generator. Prior to performing the test program, PSE&G shall obtain NRC approval of the test procedures.

- (15) Prior to resuming power operation following the first refueling outage:

- (a) Control Rod Guide Thimble (Section 4.2.2, Supplement 4)

PSE&G shall submit the details of the inspection program for control rod guide thimble tube wall wear for NRC approval.

- (b) Inspection Ports (Section 5.2.5, Supplement 5)

PSE&G shall install inspection ports in the steam generators. Implementation may be delayed until the second refueling outage.

- (c) Pressure Isolation Valves (Section 5.3.2, Supplement 5)

PSE&G shall install leak test connections on the pressure isolation valves; until installation of the leak test connections, PSE&G may substitute multiple valve leak tests for Technical Specification 3.4.7.2.f, such that the cumulative leakage from two valves in parallel lines shall not exceed two gallons per minute, and the cumulative leakage from three valves in parallel lines shall not exceed three gallons per minute.

- (d) Diesel Generator Reliability (Section 8.3.4, Supplement 5)

PSE&G shall implement the following design and procedural modifications with respect to diesel generator reliability:

- (i) Complete a formal training program for all the mechanical and electrical maintenance and quality control personnel, including supervisors, who are responsible for the maintenance and availability of the diesel generators. The depth and quality of this training program shall be at least equivalent to that of training programs normally conducted by major diesel engine manufacturers.





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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NO. 17 TO FACILITY OPERATING LICENSE NO. DPR-75

PUBLIC SERVICE ELECTRIC AND GAS COMPANY,  
PHILADELPHIA ELECTRIC COMPANY,  
DELMARVA POWER AND LIGHT COMPANY, AND  
ATLANTIC CITY ELECTRIC COMPANY

SALEM NUCLEAR GENERATING STATION, UNIT NO. 2

DOCKET NO. 50-311

Introduction

By letter dated October 7, 1982, Public Service Electric and Gas Company (the licensee) requested that the current requirement to install upper inspection ports in the steam generators for the Salem Generating Station Unit No. 2 prior to start up after the first refueling be removed from their license or delay the installation until the second refueling outage. The requirement was originally included as Licensing Condition 2.C.15(b) in the Facility Operating License No. DPR-75 for Unit No. 2.

Evaluation

Our original basis for requiring installation of the upper inspection ports was concerned with the early detection of the denting phenomenon and associated tube support plate deformation. The denting phenomenon has historically first occurred on the hot leg side of the steam generator and progressed from the lower tube support plates to the upper tube support plates. The current state-of-the-art is such that adequate means are now available (e.g., eddy current testing, profilometry tube gauging and visual inspection through the lower inspection ports) to detect the onset of extensive denting, associated with support plate cracking and "hourglassing" of support plate flow slots. Therefore, any occurrence of denting to the point where visual indication would be apparent through an inspection port located above the top tube support plate would occur after the other techniques had given earlier warning.

Summary

Based on the above reasons, we find that there is no longer adequate justification for installing upper inspection ports in the Salem 2 steam generators at the first refueling outage, and that the licensee's previous commitment for installing upper inspection ports is no longer applicable and is not required. Based on the above, we conclude that License Condition 2.C.15(b) could be removed from Facility Operating License No. DPR-75 for Salem Unit No. 2. However, the staff is currently conducting an on-going review of steam generators. New findings from this review may impact on this conclusion. Therefore, we recommend that License Condition 2.C.15(b) be modified to allow delaying of installation of the inspection ports until the second refueling outage.

### Environmental Consideration

We have determined that the amendment does not authorize a change in effluent types or total amounts nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that the amendment involves an action which is insignificant from the standpoint of environmental impact and, pursuant to 10 CFR §51.5(d)(4), that an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of this amendment.

### Conclusion

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 evaluated previously, 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.

Date: January 27, 1983

Principal Contributors:

H. Conrad

W. Ross

UNITED STATES NUCLEAR REGULATORY COMMISSIONDOCKET NO. 50-311PUBLIC SERVICE ELECTRIC AND GAS COMPANY  
PHILADELPHIA ELECTRIC COMPANY,  
DELMARVA POWER AND LIGHT COMPANY, AND  
ATLANTIC CITY ELECTRIC COMPANYNOTICE OF ISSUANCE OF AMENDMENT TO FACILITY  
OPERATING LICENSE

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 17 to Facility Operating License No. DPR-75, issued to Public Service Electric and Gas Company, Philadelphia Electric Company, Delmarva Power and Light Company and Atlantic City Electric Company (the licensees), which revised Technical Specifications for operation of the Salem Nuclear Generating Station, Unit No. 2 (the facility) located in Salem County, New Jersey. The amendment is effective as of the date of issuance.

The amendment modifies License Condition 2.C.15(b) to allow delaying installation of upper inspection ports in the steam generators until the second refueling outage.

The application for amendment complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commission has made appropriate findings as required by the Act and the Commission's rules and regulations in 10 CFR Chapter I, which are set forth in the license amendment. Prior public notice of this amendment was not required since the amendment does not involve a significant hazards consideration.

The Commission has determined that the issuance of this amendment will not result in any significant environmental impact and that pursuant to 10 CFR §51.5(d)(4) an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with issuance of this amendment.

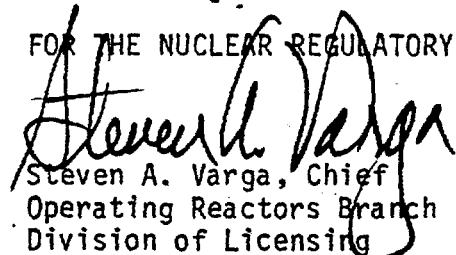
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For further details with respect to this action, see (1) the application for amendment dated October 7, 1982, (2) Amendment No. 17 to License No. DPR-75, and (3) the Commission's related Safety Evaluation. All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, N.W., Washington, D.C. and at the Salem Free Public Library, 112 West Broadway, Salem, New Jersey. A copy of items (2) and (3) may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington D. C. 20555, Attention: Director, Division of Licensing.

Dated at Bethesda, Maryland, this 27th day of January, 1983.

FOR THE NUCLEAR REGULATORY COMMISSION

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