

JAN 10 1983

Docket No. 50-311

Mr. Richard A. Uderitz
Vice President - Nuclear
Public Service Electric and Gas Company
Mail Code T15A - P.O. Box 570
Newark, New Jersey 07101

Dear Mr. Uderitz:

The Commission has issued the enclosed Amendment No. 16 to Facility Operating License No. DPR-75 for the Salem Nuclear Generating Station, Unit No. 2. This amendment consists of changes to the Technical Specifications in response to your request dated November 22, 1982.

The amendment amends the Technical Specifications on a one-time basis to permit operation for an additional 12 hours with one component cooling water loop inoperable.

This amendment supports our letter to you dated November 23, 1982 wherein we confirmed our telephone authorization to you on November 22, 1982 granting the requested amendment.

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

Sincerely,

ORIGINAL SIGNED

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

Enclosures:

1. Amendment No. 16 to DPR-75
2. Safety Evaluation
3. Notice of Issuance

cc w/enclosures:
See next page

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WJ Ross
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**F.R. NOTICE
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AMENDMENT**

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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. 16
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 November 22, 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.

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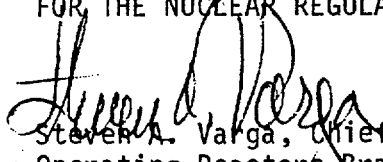
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. DPR-75 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 16, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment was effective November 22, 1982.

FOR THE NUCLEAR REGULATORY COMMISSION


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

Attachment:
Changes to the Technical
Specifications

Date of Issuance: January 10, 1983

ATTACHMENT TO LICENSE AMENDMENT NO. 16

FACILITY OPERATING LICENSE NO. DPR-75

DOCKET NO. 50-311

Revise Appendix A as follows:

Remove Page

3/4 7-12

Insert Page

3/4 7-12

PLANT SYSTEMS

3/4.7.3 COMPONENT COOLING WATER SYSTEM

LIMITING CONDITION FOR OPERATION

3.7.3 At least two independent component cooling water loops shall be OPERABLE.

APPLICABILITY: MODES 1, 2, 3 and 4.

ACTION:

With only one component cooling water loop OPERABLE, restore at least two loops to OPERABLE status within 72 hours or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.*

SURVEILLANCE REQUIREMENTS

4.7.3 At least two component cooling water loops shall be demonstrated OPERABLE:

- a. At least once per 31 days by verifying that each valve (manual, power operated or automatic) servicing safety related equipment that is not locked, sealed, or otherwise secured in position, is in its correct position.

*The time for completion of repairs to number 22 component cooling water heat exchanger shall be extended from 0700 hours on November 23, 1982 to 1900 hours on November 23, 1982. If repairs are not completed by that time, the unit shall be placed in HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 16 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 November 22, 1982, Public Service Electric and Gas Company requested a modification to Technical Specification 3.7.3 to allow continued operation beyond the 72 hours with one component cooling water heat exchanger out of service.

Discussion

The No. 22 Component Cooling Water Heat Exchanger (CCHX) was rendered inoperable at 0770 hours on November 20, 1982, due to a tube leak in the heat exchanger. The unit was operating in MODE 1 at approximately 70% of rated thermal power. Technical Specification 3.7.3 requires that No. 22 CCHX be returned to Operable status within 72 hours, or the unit be placed in hot standby within the next 6 hours and in cold shutdown within the following 30 hours.

The CCHX tube leakage has been repaired; but the discovery of deteriorated internals in valve 228W127, a flow controller for No. 22 CCHX, has necessitated additional repair time. The valve internals have been repaired and the valve is being re-installed. It appears, however, that final reassembly and testing may not be completed such that the heat exchangers can be declared operable within the allotted 72 hours.

PSE&G, therefore, has requested that Technical Specification 3.7.3 be amended on a one-time basis to permit operation for an additional 24 hours with the No. 22 CCHX rendered inoperable.

Specifically, the licensee has requested that a footnote be added to Technical Specification 3.7.3 to read as follows:

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"The time for completion of repairs to the No. 22 Component Cooling Water Heat Exchanger shall be extended from 0700 hours on November 23, 1982 to 0700 hours on November 24, 1982. If repairs are not completed by that time, the unit shall be placed in HOT STANDBY within the next 6 hours, and in COLD SHUTDOWN within the following 30 hours."

Evaluation

The granting of this extension poses no undue risk to the health and safety of the public, since No. 21 CCHX has been determined to be operable in accordance with Technical Specification surveillance requirements and one exchanger is capable of removing the maximum heat removal load during normal full power operation or in hot standby mode.

Availability of only one Component Cooling Heat Exchanger affects the rate of plant cooldown, but does not affect the ability to cool down.

Further, greater than design heat removal capacity exists as actual Service Water inlet temperatures are approximately 54°F compared to design operational temperatures of 85°F.

In addition, the probability of needing the inoperable component cooling water heat exchanger during the 24-hour period is very small.

Based on our evaluation, we conclude that 12 hours will be sufficient to complete the necessary repairs. Consequently, we approved an extension in time from 0700 hours on November 23 until 1900 hours on November 23, 1982 to make the No. 22 Component Cooling Heat Exchanger operable or take the action required by T.S. 3.7.3.1.

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 amendment does not involve a significant increase in the probability or consequences of an accident previously evaluated, does not create the possibility of an accident of a type different from any evaluated previously, and does not involve a significant reduction in a margin of safety, the amendment does 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 this amendment will not be inimical to the common defense and security or to the health and safety of the public.

Date: January 10, 1983

Principal Contributors:

Douglas V. Pickett

Joseph D. Neighbors

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. 16 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 was effective November 22, 1982.

The amendment amends the Technical Specifications on a one-time basis to permit operation for an additional 12 hours with one component cooling water loop inoperable.

The application for the 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.

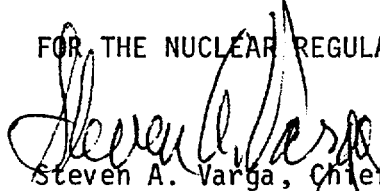
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For further details with respect to this action, see (1) the application for amendment dated November 22, 1982, (2) Amendment No. 16 to License No. DPR-75, (3) the Commission's letter dated November 23, 1982, and (4) the Commission's related Safety 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), (3) and (4) 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 10th day of January, 1983.

FOR THE NUCLEAR REGULATORY COMMISSION


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