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Docket No.: 50-387

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Dear Mr. Curtis:

Subject: Amendment No. 13 to Facility Operating License No. NPF-14 - Susquehanna
Steam Electric Station, Unit 1

The Nuclear Regulatory Commission has issued the enclosed Amendment No. 13 to Facility Operating License No. NPF-14 for the Susquehanna Steam Electric Station, Unit 1. The amendment is in response to your letter dated March 14, 1983. The amendment provides an exemption from the requirements of Appendix J of 10 CFR 50 for the first fuel cycle when performing local leak rate testing of Residual Heat Removal (RHR) relief valves in accordance with Technical Specification 4.6.1.2.

This amendment also updates the license condition regarding the Susquehanna Steam Electric Station Physical Security Plan to include Change M to the plan. Change M was accomplished under the requirements of 10 CFR §50.54(p) and is therefore incorporated as an administrative change.

A copy of the related safety evaluation supporting Amendment No. 13 to Facility Operating License NPF-14 is enclosed. Also enclosed is a copy of a related notice which has been forwarded to the Office of the Federal Register for publication.

Sincerely,

Original signed by
Darrell G. Eisenhut

Darrell G. Eisenhut, Director
Division of Licensing
Office of Nuclear Reactor Regulation

Enclosures:

- 1. Amendment No. 13 to NPF-14
- 2. Safety Evaluation
- 3. Federal Register Notice

cc: See next page

OFFICE	DL:LB#2/PP	DL:LB#2/LA	OELD	DL:LB#2/BC	DL:AD/L	DL:DIR
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Susquehanna

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Vice President
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Allentown, Pennsylvania 18101

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505 Executive House
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Harrisburg, Pennsylvania 17120

Susquehanna

**cc: Governor's Office of State Planning & Development
Attn: Coordinator, State Clearinghouse
P O. Box 1323
Harrisburg, Pennsylvania 17120**

**Mr. Bruce Thomas, President
Board of Supervisors
R. D. #1
Berwick, Pennsylvania 18603**

**U. S. Environmental Protection Agency
Attn: EIS Coordinator
Region III Office
Curtis Building
6th and Walnut Streets
Philadelphia, Pennsylvania 19106**

PENNSYLVANIA POWER & LIGHT COMPANY
ALLEGHENY ELECTRIC COOPERATIVE, INC.
DOCKET NO. 50-387
SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1
AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 13
License No. NPF-14

1. The Nuclear Regulatory Commission (the Commission or the NRC) having found that:
 - A. The application for an amendment filed by the Pennsylvania Power & Light Company dated March 14, 1983, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's 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 regulations of the Commission (except as exempted from compliance in Section 2.E. below);
 - 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 (except as exempted from compliance in Section 2.E. below);
 - 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 changes in paragraphs 2.D and 2.E. of the Facility Operating License No. NPF-14 to read as follows:
 - D. PP&L shall maintain in effect and fully implement all provisions of the Commission approved physical security, and guard training and qualification plans; including amendments made pursuant to the authority of 10 CFR §50.54(p). The approved plans, which contain 10 CFR 73.21 information, are collectively entitled: "Susquehanna Steam Electric Station Physical Security Plan" (which includes response to security contingencies as Chapter 11) dated March 14, 1978 with the following changes; Change A dated July 31, 1978, Change B dated February 15, 1979, Change C dated August 15, 1979, Change D dated September 28, 1979, Change E dated May 22, 1980, Change F dated March 27, 1981, Change G dated May 29, 1981, Change H dated June 26, 1981, Change I dated March 19, 1982, Change J dated April 1, 1982, and Change K dated May 4, 1982, Change L dated July 9, 1982, Change M dated October 15, 1982, and including Chapter 11 revision dated June 5, 1981; and "Susquehanna Steam Electric Station Security Training and Qualification Plan" dated May 27, 1980, as revised April 30, 1981.

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E. Exemptions from certain requirements of Appendices G and H to 10 CFR Part 50 are described in the Safety Evaluation Report and Supplements 1 and 2 to the Safety Evaluation Report. In addition, an exemption was requested until receipt of new fuel for first refueling from the requirements for criticality monitors in the spent fuel pool area, 10 CFR Part 70.24. Also, an exemption was requested from the requirements of Appendix J of 10 CFR Part 50 for the first fuel cycle when performing local leak rate testing of Residual Heat Removal (RHR) relief valves in accordance with Technical Specification 4.6.1.2. This latter exemption is described in the safety evaluation of License Amendment No. 13. These exemptions are authorized by law and will not endanger life or property or the common defense and security and are otherwise in the public interest and have been granted pursuant to 10 CFR 50.12. Except as here exempted, the facility will operate, to the extent authorized herein, in conformity with the application, as amended, and the rules and regulations of the Commission and the provisions of the Act.

3. This amendment is effective as of the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Darrell G. Eisenhut, Director
 Division of Licensing
 Office of Nuclear Reactor Regulation

Date of Issuance: APR 14 1983

*SEE ATTACHED PAGE FOR PREVIOUS CONCURRENCES 

OFFICE	*DL:LB#2/PM	*DL:LB#2/LA	*OELD	DL:LB#2/BC	DL:AD/L	DL:DIR	
SURNAME	RPerch:pt	EHylton	MCutchin	ASchwencer	Novak	GEisenhut	
DATE	3/31/83	/ /83	4/07/83	4.12.83	4.13/83	4.14/83	

E. Exemptions from certain requirements of Appendices G and H to 10 CFR Part 50 are described in the Safety Evaluation Report and Supplements 1 and 2 to the Safety Evaluation Report. In addition, an exemption was requested until receipt of new fuel for first refueling from the requirements for criticality monitors in the spent fuel pool area, 10 CFR Part 70.24. Also, an exemption was requested from the requirements of Appendix J of 10 CFR Part 50 for the first fuel cycle when performing local leak rate testing of Residual Heat Removal (RHR) relief valves in accordance with Technical Specification 4.6.1.2. This latter exemption is described in the safety evaluation of License Amendment No. . These exemptions are authorized by law and will not endanger life or property or the common defense and security and are otherwise in the public interest. ~~Therefore, these exemptions are hereby granted.~~ The facility will operate, to the extent authorized herein, in conformity with the application, as amended, and the rules and regulations of the Commission (~~except as hereinafter exempted therefrom~~), and the provisions of the Act.

*out time have
requested permission
to be exempted
Exempt as above
exempted*

3. This amendment is effective as of the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

Darrell G. Eisenhut, Director
Division of Licensing
Office of Nuclear Reactor Regulation

Date of Issuance:

*No legal objection
to issue of amendment
if changes are
made as indicated.*

*over
change
made*

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DATE	3/31/83	4/12/83	4/7/83	4/12/83	1/83	1/83	

SAFETY EVALUATION
AMENDMENT NO. 13 AND EXEMPTION TO NPF-14
SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1

Introduction

By a letter dated March 14, 1983, Pennsylvania Power & Light (licensee) requested an exemption from Appendix J to 10 CFR Part 50 to perform an integrated leakage rate test (ILRT) following the scheduled local leakage rate test (LLRT) on the Residual Heat Removal (RHR) relief valves in accordance with Technical Specification 4.6.1.2. Technical Specification 4.6.1.2 for Susquehanna Steam Electric Station, Unit 1, requires that the RHR relief valves (three per train) be locally leak rate tested at least once per 18 months.

This amendment also incorporated Change M of the Susquehanna Steam Electric Station Physical Security Plan into the Unit 1 Operating License.

Evaluation

Local leak rate testing of the RHR relief valves requires that the bolted flange near the relief valves be broken. Appendix J of 10 CFR Part 50 states that a local leakage test on the containment penetrations associated with these relief valves shall be conducted to verify that the rebolted flanges will not leak and the containment boundary has been maintained. The current configuration would require that an integrated leakage rate test (ILRT) be conducted for the required verification since it is impossible to perform a local test on the penetration. Appendix J of 10 CFR Part 50 requires the ILRT to be conducted 3 times in every 10 year period or on the average every three years. With the current configuration, compliance with Technical Specification 4.6.1.2 would require an ILRT to be performed every 18 months (i.e. following the LLRT on the RHR relief valves). The licensee requested a one time exemption from the requirement to perform the ILRT following the scheduled LLRT on the RHR relief valves, and indicated that a design change to permit local testing of the containment penetration will be implemented at the first refueling outage.

The licensee stated in a letter dated March 30, 1983, that the RHR relief valve containment penetration lines are small in diameter and any radiation leakage through these lines would first have been scrubbed by passage through the suppression pool. In addition, the maintenance procedures assure that these flanges are in alignment and that the bolts are properly torqued to provide a sealed system. The NRC staff finds this to be an acceptable basis for not performing the ILRT associated with the LLRT of the RHR relief valves for the first fuel cycle. However, approval of this exemption does not represent acceptance of the proposed design modification to insert testable spectacle flanges into the PSV discharge line outside of containment near the penetration. The NRC staff will review the proposed design change when it is submitted by the licensee.

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Change M to the Susquehanna Steam Electric Station Physical Security Plan was made by the licensee without prior Commission approval in accordance with the provision of 10 CFR §50.54(p) since the change did not decrease the safeguards effectiveness of the plan. Change M to the Susquehanna Steam Electric Station Physical Security plan is incorporated into Susquehanna Unit 1 Operating License No. NPF-14 for administrative purposes to reflect the current status of the plan.

Environmental Consideration

We have determined that this amendment and exemption do not authorize a change in effluent types or total amount nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that this amendment and exemption involve action which is insignificant from the standpoint of environmental impact, and, pursuant to 10 CFR Section 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 and exemption.

Conclusion

We have concluded, based on the considerations discussed above, that the exemption is authorized by law and will not endanger life or property or the common defense and security of the public and is otherwise in the public interest.

We have also concluded, based on the considerations discussed above, that: (1) because the amendment does not involve a significant increase in the probability or consequences of accidents previously considered, does not create the possibility of an accident of a type different from any evaluated previously, and does not involve a significant decrease in a safety margin, 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.

Dated: APR 14 1983

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UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NO. 50-387

PENNSYLVANIA POWER & LIGHT COMPANY

ALLEGHENY ELECTRIC COOPERATIVE, INC.

NOTICE OF ISSUANCE OF AMENDMENT

TO FACILITY OPERATING LICENSE AND EXEMPTION FROM REGULATIONS

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 13 to Facility Operating License No. NPF-14, issued to Pennsylvania Power & Light Company and Allegheny Electric Cooperative, Inc., for Susquehanna Steam Electric Station, Unit 1 (the facility) located in Luzerne County, Pennsylvania. The amendment incorporates, as an administrative change, Change 11 of the Susquehanna Steam Electric Station Physical Security Plan into the license condition regarding the physical security plan. This amendment also provides an exemption from the requirements of Appendix J to 10 CFR Part 50 for the first fuel cycle when performing local leak rate testing of Residual Heat Removal (RHR) relief valves in accordance with Technical Specification 4.6.1.2. The amendment and exemption are effective as of the date of issuance.

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

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The Commission has determined that the issuance of this amendment and exemption will not result in any significant environmental impact and that pursuant to 10 CFR Section 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 and exemption.

For further details with respect to this action, see (1) the application for the amendment dated March 14, 1983; (2) Amendment No. 13 to License MPF-14, dated April 14, 1983 ; and (3) the Commission's evaluation dated April 14, 1983. All of these items are available for public inspection at the Commission's Public Document Room 1717 H Street, N. W., Washington, D. C. 20555, and at the Osterhout Free Library, Reference Department, 71 South Franklin Street, Wilkes-Barre, Pennsylvania 18701. A copy of items (1), (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 14th day of April 1983.

FOR THE NUCLEAR REGULATORY COMMISSION

(5)

Robert A. Purple, Deputy Director
 Division of Licensing
 Office of Nuclear Reactor Regulation

*No legal objection
 to filing of ER
 noted*

RR

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