

October 31, 1988

Docket No. 50-387

Mr. Harold W. Keiser  
Senior Vice President-Nuclear  
Pennsylvania Power and Light Company  
2 North Ninth Street  
Allentown, Pennsylvania 18101

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Dear Mr. Keiser:

SUBJECT: TECHNICAL SPECIFICATION CHANGES REFLECTING REVISION TO MATERIAL SURVEILLANCE SCHEDULE AND LEAD FACTOR RATIO (TAC NO. 68664)

RE: SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1

The Commission has issued the enclosed Amendment No. 84 to Facility Operating License No. NPF-14 for the Susquehanna Steam Electric Station (SSES), Unit 1. This amendment is in response to your letter dated June 3, 1988.

This amendment revises the SSES Technical Specifications for Material Withdrawal Schedule and Lead Factor Ratio.

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/

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

Enclosures:

1. Amendment No. 84 to License No. NPF-14
2. Safety Evaluation

cc w/enclosures:  
See next page

PDI-2/LA  
for MO'Brien  
9/22/88

*MLZ*  
PDI-2/PM  
MThadani  
9/28/88

*OC*  
NRR/EMTB  
CYCheng  
9/29/88

*WB*  
PDI-2/D  
WButler  
10/18/88

OGC  
*gm*  
10/18/88

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

October 31, 1988

Docket No. 50-387

Mr. Harold W. Keiser  
Senior Vice President-Nuclear  
Pennsylvania Power and Light Company  
2 North Ninth Street  
Allentown, Pennsylvania 18101

Dear Mr. Keiser:

SUBJECT: TECHNICAL SPECIFICATION CHANGES REFLECTING REVISION TO MATERIAL  
SURVEILLANCE SCHEDULE AND LEAD FACTOR RATIO (TAC NO. 68664)

RE: SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1

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A copy of our Safety Evaluation is also enclosed. Notice of Issuance will be included in the Commission's Biweekly Federal Register Notice.

Sincerely,

A handwritten signature in cursive script that reads "Walter R. Butler".

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

Enclosures:

1. Amendment No. 84 to License No. NPF-14
2. Safety Evaluation

cc w/enclosures:  
See next page

Mr. Harold W. Keiser  
Pennsylvania Power & Light Company

Susquehanna Steam Electric Station  
Units 1 & 2

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

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. 84  
License No. NPF-14

1. The Nuclear Regulatory Commission (the Commission or the NRC) having found that:
  - A. The application for the amendment filed by the Pennsylvania Power & Light Company, dated June 3, 1988 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;
  - 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, 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 the Facility Operating License No. NPF-14 is hereby amended to read as follows:

(2) Technical Specifications and Environmental Protection Plan

The Technical Specifications contained in Appendix A, as revised through Amendment No. 84 and the Environmental Protection Plan contained in Appendix B, are hereby incorporated in the license. PP&L shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

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

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: October 31, 1988

*for* PDI-2/LA  
MO'Brien  
9/22/88

*ML*  
PDI-2/PM  
MThadani:tr  
9/28/88

*for* NRR/EMTB  
CYCheng  
9/30/88

*See concurrence  
on the letter*  
OGC  
10/13/88

PDI-2/D  
WButler  
10/18/88 *WB.*

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

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: October 31, 1988

ATTACHMENT TO LICENSE AMENDMENT NO. 84

FACILITY OPERATING LICENSE NO. NPF-14

DOCKET NO. 50-387

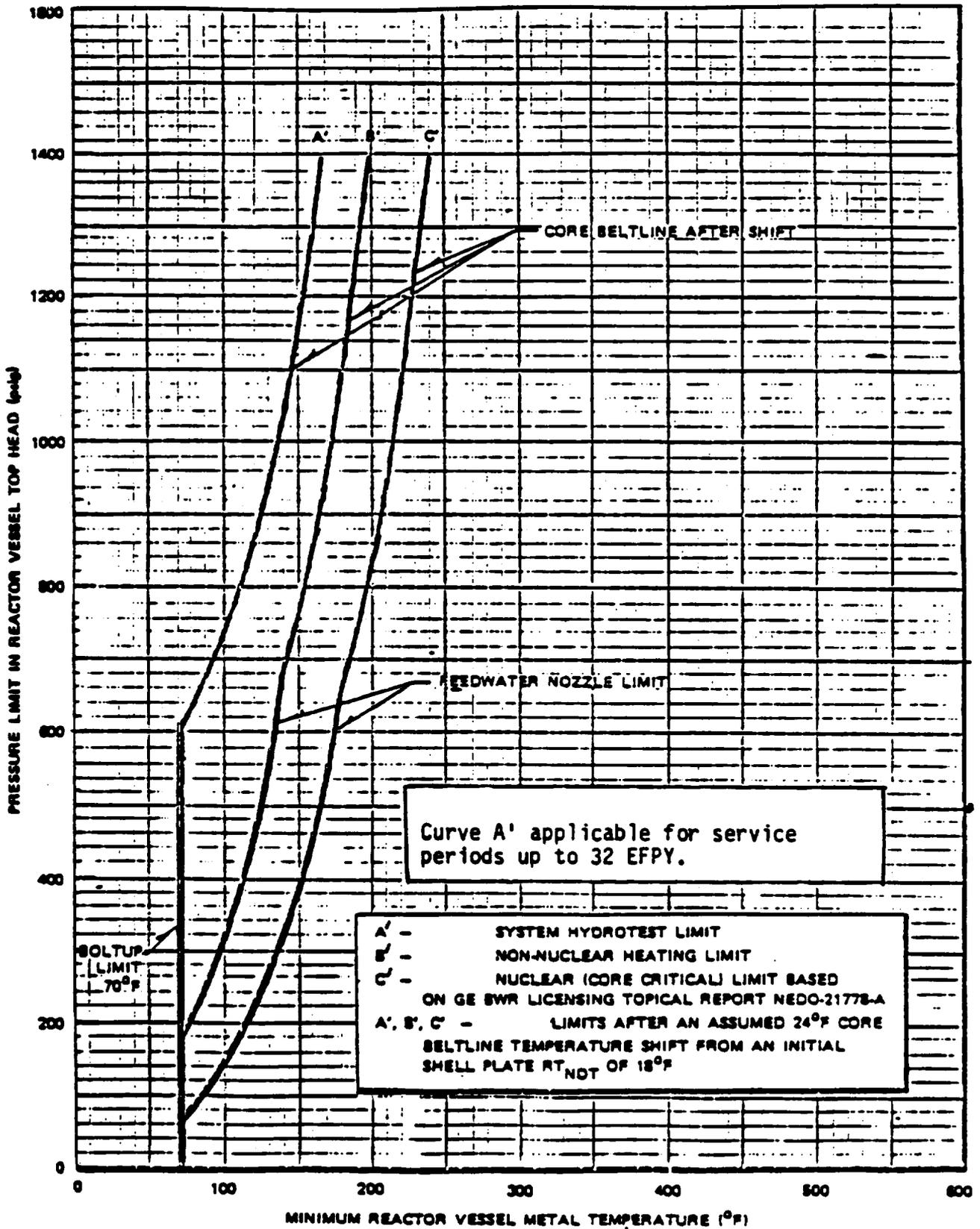
Replace the following pages of the Appendix A Technical Specifications with enclosed pages. The revised page is identified by Amendment number and contains vertical lines indicating the area of change. The overleaf page is provided to maintain document completeness.\*

REMOVE

3/4 4-19  
3/4 4-20

INSERT

3/4 4-19\*  
3/4 4-20



MINIMUM REACTOR VESSEL METAL TEMPERATURE  
 VS. REACTOR VESSEL PRESSURE  
 Figure 3.4.6.1-2

TABLE 4.4.6.1.3-1REACTOR VESSEL MATERIAL SURVEILLANCE PROGRAM-WITHDRAWAL SCHEDULE

<u>SPECIMEN HOLDER</u>	<u>VESSEL LOCATION</u>	<u>LEAD FACTOR*</u>	<u>WITHDRAWAL TIME (EFPY)</u>	
131C7717G1	300°	1.20	6	
131C7717G2	120°	1.20	15	
131C7717G3	30°	1.20	Spare	

---

\*At 1/4 T.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
SUPPORTING AMENDMENT NO. 84 TO FACILITY OPERATING LICENSE NO. NPF-14

PENNSYLVANIA POWER & LIGHT COMPANY

ALLEGHENY ELECTRIC COOPERATIVE, INC.

DOCKET NO. 50-387

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1

1.0 INTRODUCTION

By letter dated June 3, 1988, Pennsylvania Power & Light Company requested an amendment to Facility Operating License No. NPF-14 for the Susquehanna Steam Electric Station (SSES), Unit 1. The proposed amendment would change the SSES, Unit 1, Technical Specifications' requirement for the reactor vessel material surveillance withdrawal schedule and the material surveillance Lead Factor Ratio.

2.0 EVALUATION

The licensee has proposed that Technical Specification Table 4.4.6.1.3-1, Reactor Vessel Material Surveillance Program - Withdrawal Schedule, be revised to conform to the latest revision of 10 CFR 50, Appendix H and to correct an error in the Lead Factor Ratio. The proposed revision would change the withdrawal schedule from the current calendar years of operation to one based on effective full power years (EFPY) of operation. Appendix H requires that each capsule withdrawal after July 26, 1983 meet the ASTM E 185-82 to the extent practical. The proposed revision does not change the number of capsules to be withdrawn but simply changes the schedule from calendar years (ie. 10 years, 20 years, and 40 years) to the EFPY schedule given in Table 1 of the ASTM E 185-82. The proposed change conforms to the acceptable schedule in ASTM E 185-82. Therefore the proposed revision to the withdrawal schedule meets the requirements in Appendix H and is acceptable. The change of the Lead Factor Ratio from 0.6 to 1.2 is needed to correct an error and is based on General Electric letter GP-83-213. The change in the Lead Factor Ratio is, therefore, acceptable.

3.0 ENVIRONMENTAL CONSIDERATION

This amendment involves 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 and changes to the surveillance requirements.

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The staff has determined that the amendment involves 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 this amendment involves no significant hazards consideration and there has been no public comment on such finding. Accordingly, this amendment meets 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 nor environmental assessment need be prepared in connection with the issuance of this amendment.

#### 4.0 CONCLUSION

The Commission made a proposed determination that the amendment involves no significant hazards consideration which was published in the Federal Register (53 FR 30140) on August 10, 1988 and consulted with the State of Pennsylvania. No public comments were received, and the State of Pennsylvania did not have any comments.

The staff has concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (2) 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 nor to the health and safety of the public.

Principal Contributor: Mohan C. Thadani

Dated: October 31, 1988